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Paper 94

DEMOGRAPHIC SUBGROUP TRENDS AMONG ADOLESCENTS IN THE USE OF VARIOUS LICIT AND ILLICIT DRUGS 1975–2019

Lloyd D. Johnston Richard A. Miech Patrick M. O'Malley Jerald G. Bachman John E. Schulenberg Megan E. Patrick

Institute for Social Research
The University of Michigan
Ann Arbor, Michigan

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Lloyd D. Johnston, Ph.D. Richard A. Miech, Ph.D. Patrick M. O'Malley, Ph.D. Jerald G. Bachman, Ph.D. John E. Schulenberg, Ph.D. Megan E. Patrick, Ph.D.

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LIST OF SUPPLEMENTAL TABLES DEMOGRAPHIC SUBGROUPS TRENDS

Tables are listed by drug and prevalence period. For each drug and prevalence period, trend data is displayed separately for grades 8, 10, and 12 unless otherwise noted.

Drugs	Prevalence	
Any Illicit Drug	Annual	476
Any Illicit Drug other than Marijuana	Annual	483
Marijuana	Lifetime	490
	Annual	497
	30-Day	504
	30-Day of Daily Use	511
Synthetic Marijuana	Annual	518
Inhalants	Annual	521
Hallucinogens	Annual	528
LSD	Annual	535
Hallucinogens other than LSD	Annual	542
MDMA (Ecstasy, Molly)	Annual	549
Salvia	Annual	552
Cocaine	Annual	555
Crack	Annual	562
Other Cocaine	Annual	569
Heroin	Annual	576
Heroin with a Needle	Annual	583
Heroin without a Needle	Annual	589
Narcotics other than Heroin	Annual, Grade 12 only	595
OxyContin	Annual	598
Vicodin	Annual	601
Amphetamines	Annual	604
Ritalin	Annual	614
Adderall	Annual	617
Provigil	Annual, Grade 12 only	620
Methamphetamine	Annual	621
Crystal Methamphetamine (Ice)	Annual, Grade 12 only	624
Bath Salts (Synthetic Stimulants)	Annual	
Sedatives (Barbiturates)	Annual, Grade 12 only	629
Tranquilizers	Annual	632
Any Prescription Drug without Medical	Annual, Grade 12 only	639
Supervision	·	
Over-the-Counter Cough/Cold Medicines	Annual	640
Rohypnol	Annual	643
Alcohol	30-Day	649
	30-Day of Daily Use	
Been Drunk	30-Day	
	2-Week of 5+ Drinks in a Row	
	2-Week of 10+ Drinks in a Row	676
Beer	30-Day	
	2-Week of 5+ Drinks in a Row	
Liquor	30-Day, Grade 12 only	
•	2-Week of 5+ Drinks in a Row, Grade 12 only	
Wine	30-Day Grade 12 only	

	2-Week of 5+ Drinks in a Row, Grade 12 only	702
Wine Coolers	30-Day	705
	2-Week of 5+ Drinks in a Row	710
Flavored Alcoholic Beverages	30-Day	713
Alcoholic Beverages containing Caffeine	Annual	716
Cigarettes	30-Day	719
	30-Day of Daily Use	726
	30-Day of Half Pack a Day	733
Tobacco Using Hookah	Annual, Grade 12 only	740
Small Cigars	Annual, Grade 12 only	741
Flavored Little Cigars or Cigarillos	30-Day	742
Regular Little Cigars or Cigarillos	30-Day	743
Large Cigars	30-Day	744
Any Vaping	30-Day	745
Vaping Nicotine	30-Day	
Vaping Marijuana	30-Day	
Vaping Just Flavoring	30-Day	
Smokeless Tobacco	30-Day	
	30-Day of Daily Use	
Dissolvable Tobacco Products	Annual	
Snus	Annual	
Steroids	Annual	769
Marijuana	Lifetime	
Nonprescription Diet Pills	Annual	778
Nonprescription Stay-Awake Pills	Annual	
Stimulant-Type ADHD Drugs	Lifetime	
JI	Current	
Non-Stimulant-Type ADHD Drugs	Lifetime	
71	Current	
Either Stimulant-Type or Non-Stimulant-	Lifetime	
Type ADHD Drugs	Current	
Any Nicotine Use	30-Day	
Any Nicotine Use other than Vaping	30-Day	
Use of Marijuana under a Doctor's Orders	Lifetime	
Powdered Alcohol	Annual	805
Energy Drinks	Daily	
	irade 8	
Approximate Weighted Ns by Subgroups in G	Grade 10	817
Approximate Weighted Ns by Subgroups in G	irade 12	819

INTRODUCTION

This occasional paper presents national demographic subgroup data for the 1975-2019 Monitoring the Future (MTF) national survey results on 8th, 10th, and 12th graders' use of drugs, alcohol, and tobacco. MTF is funded by the National Institute on Drug Abuse at the National Institutes of Health under a series of investigator-initiated, competitive research grants to the University of Michigan. The study covers all major classes of illicit and licit psychoactive drugs for an array of population subgroups. The 2018 subgroup data presented here accompany the *Monitoring the Future National Survey Results on Drug Use: 1975-2019: Overview, Key Findings on Adolescent Drug Use*¹ and the *Monitoring the Future National Survey Results on Drug Use, 1975-2018: Volume I, Secondary School Students.*² Prior to 2014 subgroup data were available in tabular form only in Appendices B and D of the relevant year's *Volume I.*³ Since 2014, the MTF subgroup definitions and data have been presented in this series of occasional papers, in both tables *and* figures to facilitate the examination and interpretation of trend data.

The Overview of Key Findings presents trends in prevalence, perceived risk, disapproval, and perceived availability for most drugs under study and a brief description of subgroup differences. Volume I contains a description of MTF's design and purposes, as well as extended reporting on substance use of all kinds—licit and illicit—and a number of related factors, such as attitudes and beliefs about drugs, age of initiation, noncontinuation of drug use, perceived availability, relevant conditions in the social environment, history of daily marijuana use, use of drugs for the treatment of ADHD, and sources of prescription drugs used outside of medical supervision.

The trends offered here in tabular and graphic forms cover demographic subgroups based on:

- Gender
- College plans
- Region of the country
- Population density
- Education level of the parents (a proxy for socioeconomic level)
- Racial/ethnic identification

Detailed descriptions of the demographic categories are provided in the section starting on page 385 of this paper.

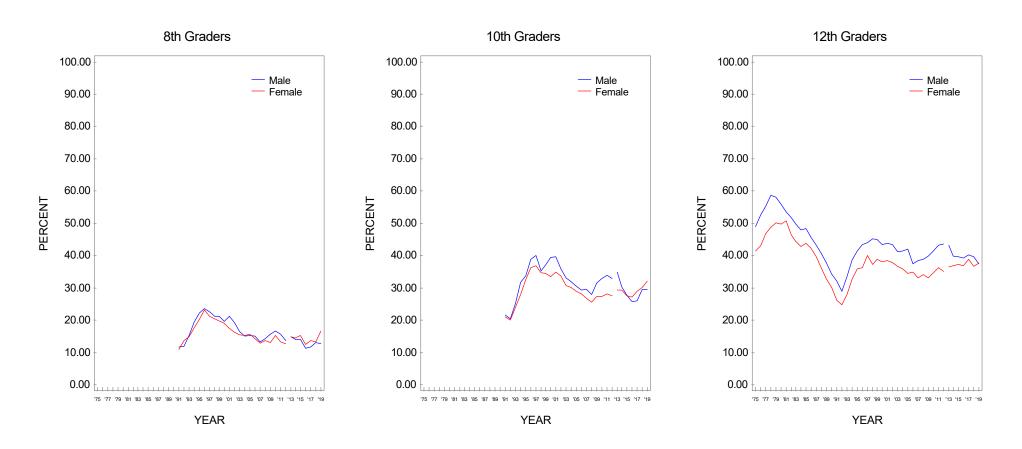
The graphs and tables in this occasional paper present trend data for 8th-, 10th-, and 12th-grade respondents separately. Data for 12th grade begins with 1975, the first year in which a nationally representative sample of high school seniors was surveyed. Data for 8th and 10th grades begin with 1991, when the study's nationally representative annual surveys were expanded to include those lower grade levels.

¹Johnston, L. D., Miech, R. A.,, O'Malley, P. M., Bachman, J. G., Schulenberg, J. E., & Patrick, M. E. (2020). *Monitoring the Future national survey results on drug use*, 1975-2019: Overview, key findings on adolescent drug use. Ann Arbor: Institute for Social Research, The University of Michigan.

²Miech, R. A., Johnston, L. D., O'Malley, P. M., Bachman, J. G., Schulenberg, J. E., & Patrick, M. E. (2019). *Monitoring the Future national survey results on drug use, 1975-2018: Volume I, Secondary school students*. Ann Arbor: Institute for Social Research, The University of Michigan.

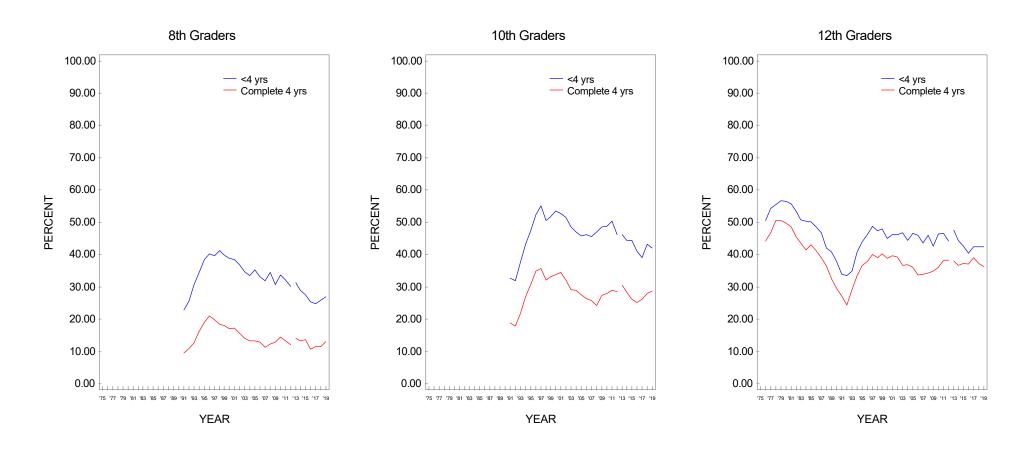
³Johnston, L. D., O'Malley, P. M., Bachman, J. G., Schulenberg, J. E., & Miech, R. A. (2016 and preceding years). *Monitoring the Future national survey results on drug use, 1975-2015: Volume I, Secondary school students*. Ann Arbor: Institute for Social Research, The University of Michigan.

FIGURE 1
Any Illicit Drug:* Trends in Annual Prevalence by Gender



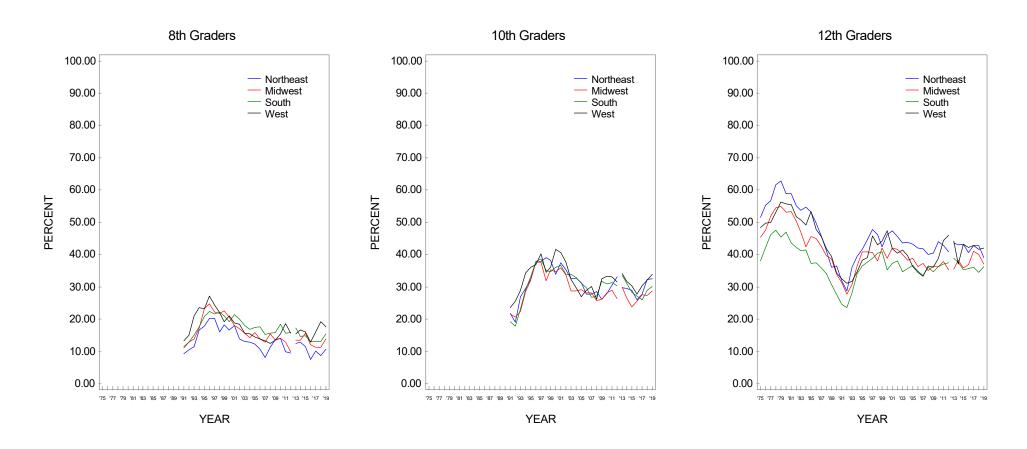
^{*}Beginning in 2013, a revised set of questions on amphetamine use were introduced. Data for any illicit drug are affected by these changes.

FIGURE 2
Any Illicit Drug:* Trends in Annual Prevalence by College Plans



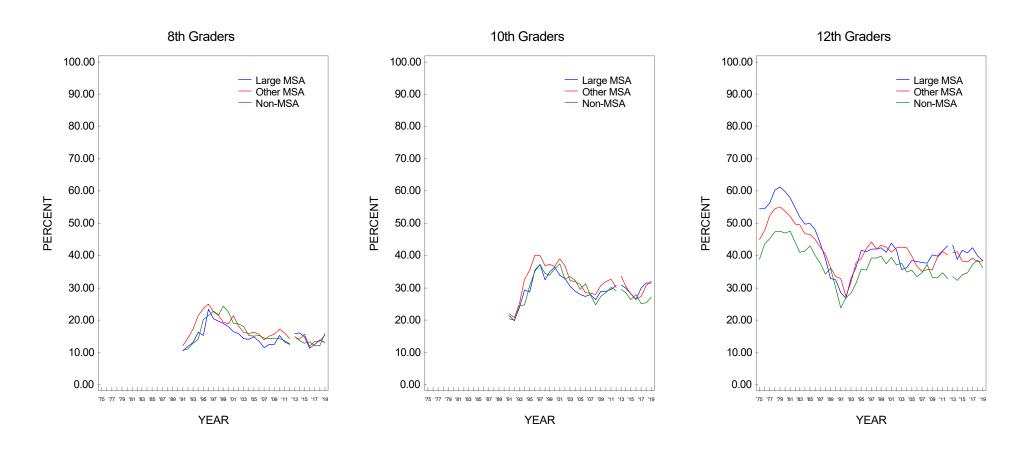
^{*}Beginning in 2013, a revised set of questions on amphetamine use were introduced. Data for any illicit drug are affected by these changes.

FIGURE 3
Any Illicit Drug:* Trends in Annual Prevalence by Region



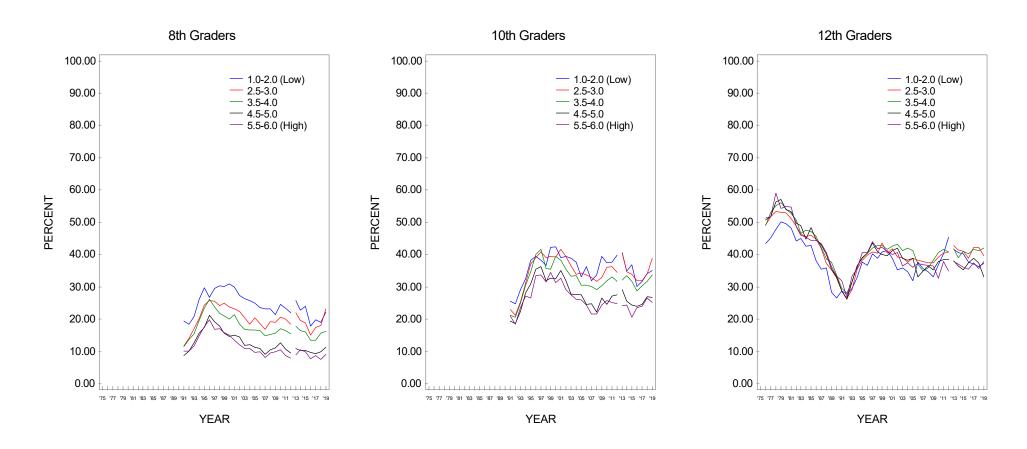
^{*}Beginning in 2013, a revised set of questions on amphetamine use were introduced. Data for any illicit drug are affected by these changes.

FIGURE 4
Any Illicit Drug:* Trends in Annual Prevalence by Population Density



^{*}Beginning in 2013, a revised set of questions on amphetamine use were introduced. Data for any illicit drug are affected by these changes.

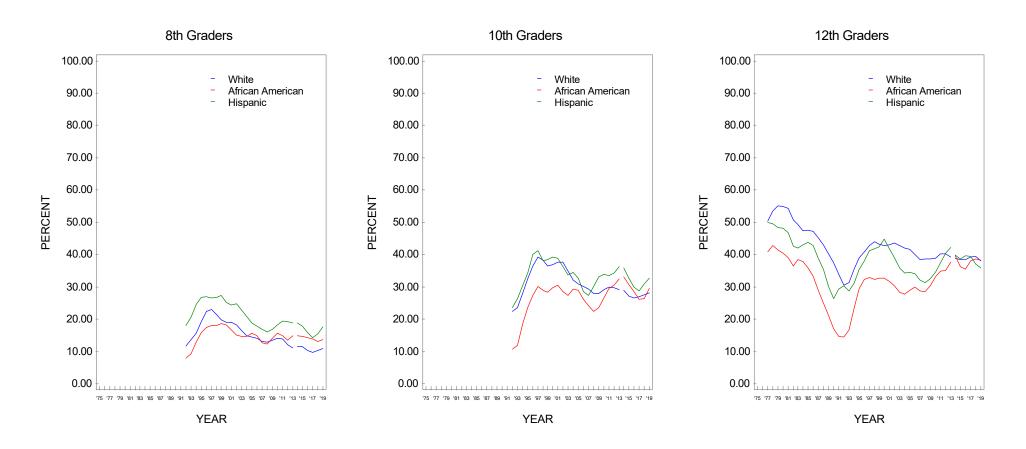
FIGURE 5
Any Illicit Drug:* Trends in Annual Prevalence by Average Education Level of Parents**



^{*}Beginning in 2013, a revised set of questions on amphetamine use were introduced. Data for any illicit drug are affected by these changes.

^{**}Parental education is an average score of mother's education and father's education.

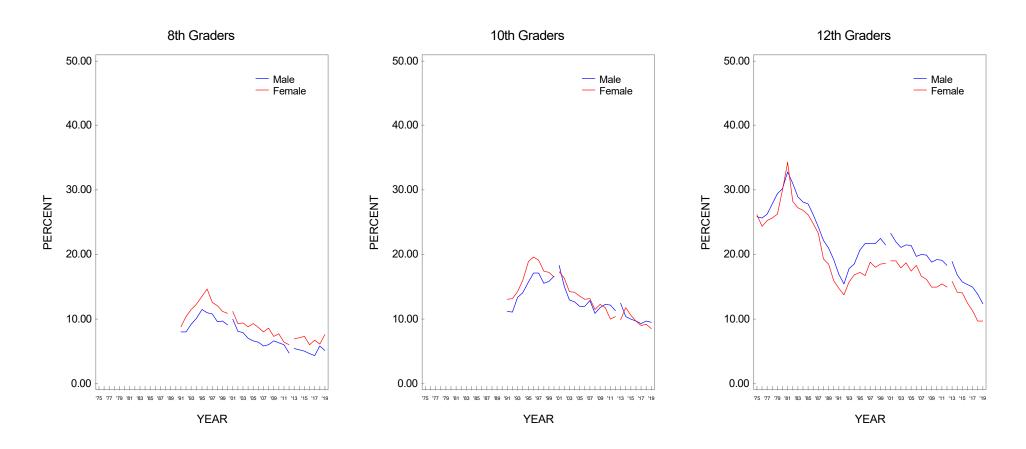
FIGURE 6
Any Illicit Drug*: Trends in Annual Prevalence by Race/Ethnicity**



^{*}Beginning in 2013, a revised set of questions on amphetamine use were introduced. Data for any illicit drug are affected by these changes.

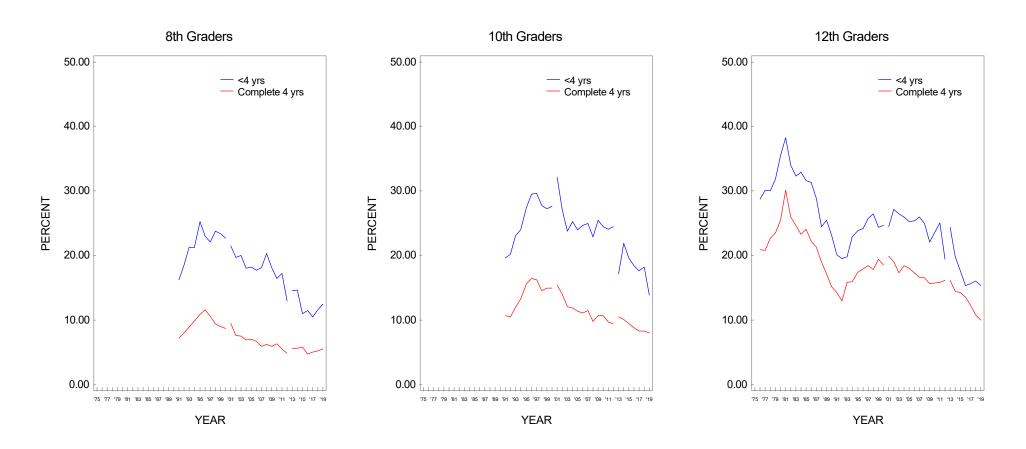
^{**}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 7
Any Illicit Drug other than Marijuana:* Trends in Annual Prevalence by Gender



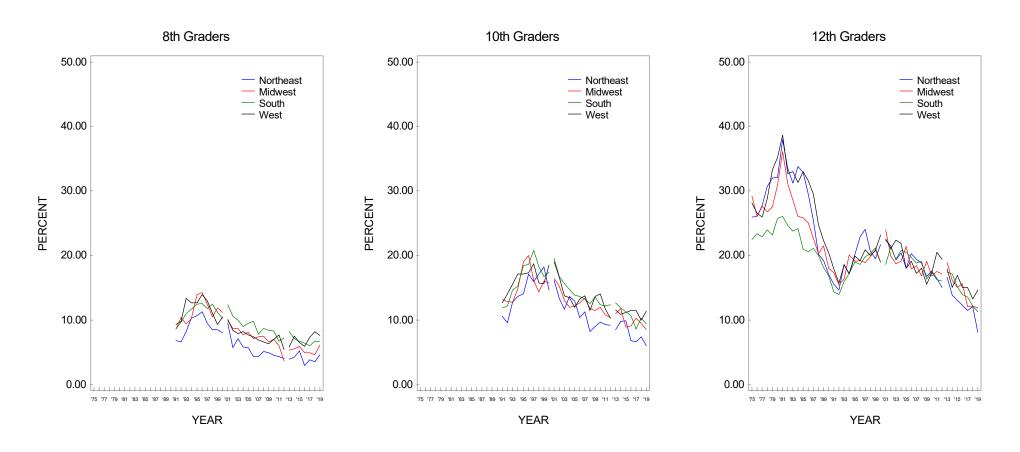
^{*}Beginning in 2001, revised sets of questions on other hallucinogen and tranquilizer use were introduced. Beginning in 2013, a revised set of questions on amphetamines were introduced. Data for any illicit drug other than marijuana are affected by these changes.

FIGURE 8
Any Illicit Drug other than Marijuana:* Trends in Annual Prevalence by College Plans



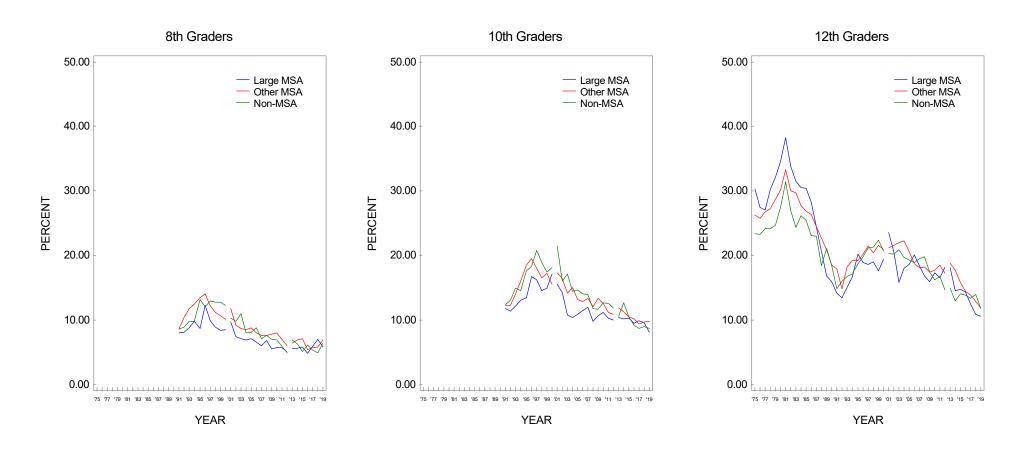
^{*}Beginning in 2001, revised sets of questions on other hallucinogen and tranquilizer use were introduced. Beginning in 2013, a revised set of questions on amphetamines were introduced. Data for any illicit drug other than marijuana are affected by these changes.

FIGURE 9
Any Illicit Drug other than Marijuana:* Trends in Annual Prevalence by Region



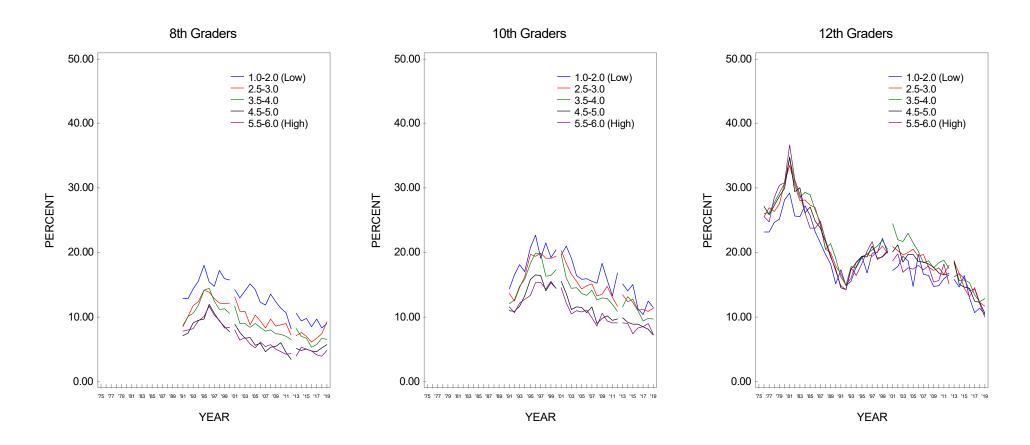
^{*}Beginning in 2001, revised sets of questions on other hallucinogen and tranquilizer use were introduced. Beginning in 2013, a revised set of questions on amphetamines were introduced. Data for any illicit drug other than marijuana are affected by these changes.

FIGURE 10
Any Illicit Drug other than Marijuana:* Trends in Annual Prevalence by Population Density



^{*}Beginning in 2001, revised sets of questions on other hallucinogen and tranquilizer use were introduced. Beginning in 2013, a revised set of questions on amphetamines were introduced. Data for any illicit drug other than marijuana are affected by these changes.

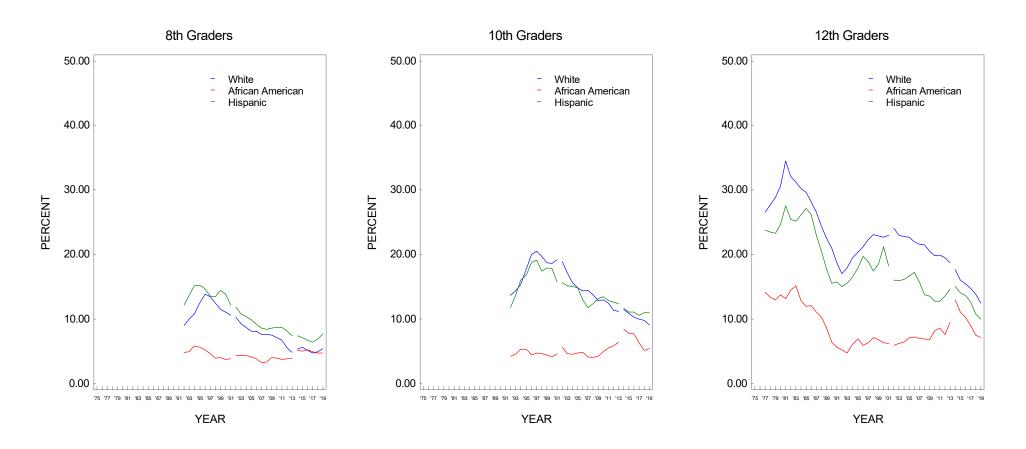
FIGURE 11
Any Illicit Drug other than Marijuana:* Trends in Annual Prevalence by Average Education Level of Parents**



^{*}Beginning in 2001, revised sets of questions on other hallucinogen and tranquilizer use were introduced. Beginning in 2013, a revised set of questions on amphetamines were introduced. Data for any illicit drug other than marijuana are affected by these changes.

^{**}Parental education is an average score of mother's education and father's education.

FIGURE 12
Any Illicit Drug other than Marijuana:* Trends in Annual Prevalence by Race/Ethnicity**



^{*}Beginning in 2001, revised sets of questions on other hallucinogen and tranquilizer use were introduced. Beginning in 2013, a revised set of questions on amphetamines were introduced. Data for any illicit drug other than marijuana are affected by these changes.

^{**}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 13
Marijuana: Trends in Lifetime Prevalence by Gender

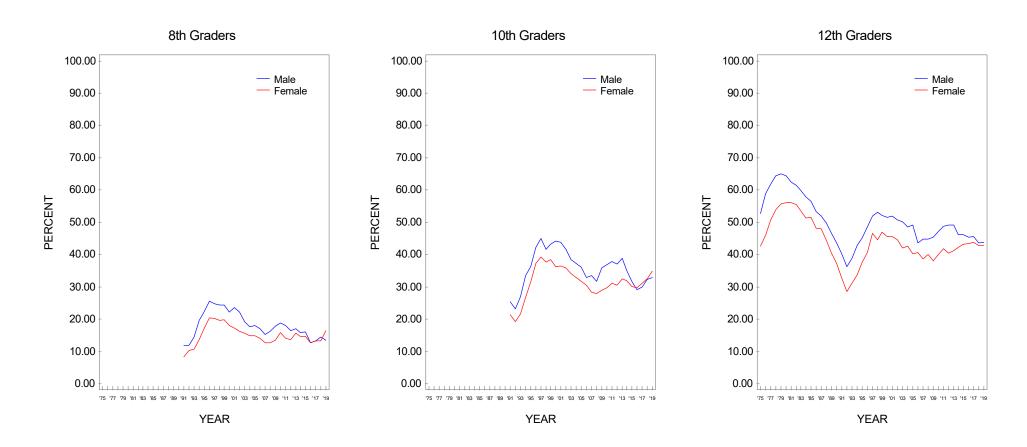


FIGURE 14
Marijuana: Trends in Lifetime Prevalence by College Plans

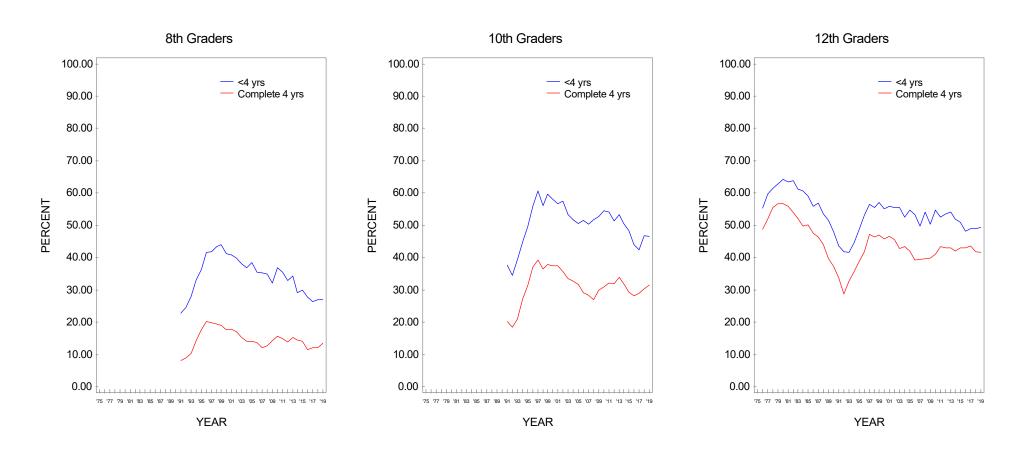


FIGURE 15
Marijuana: Trends in Lifetime Prevalence by Region

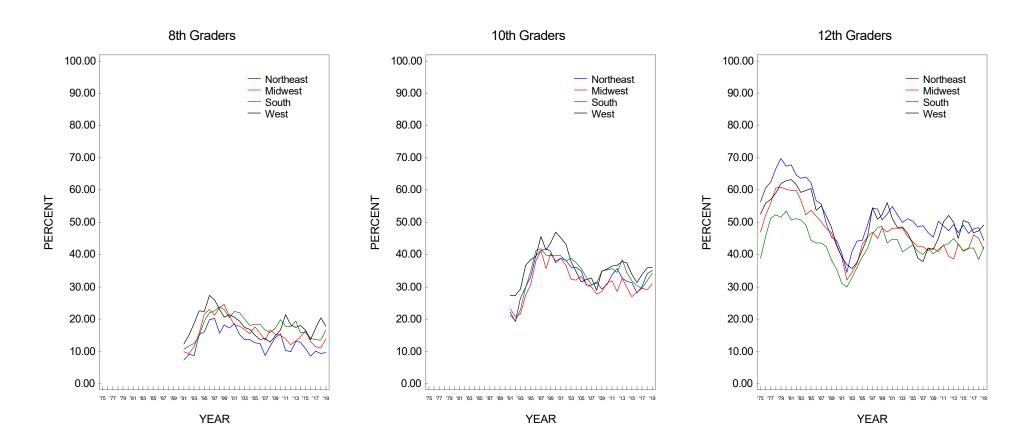


FIGURE 16
Marijuana: Trends in Lifetime Prevalence by Population Density

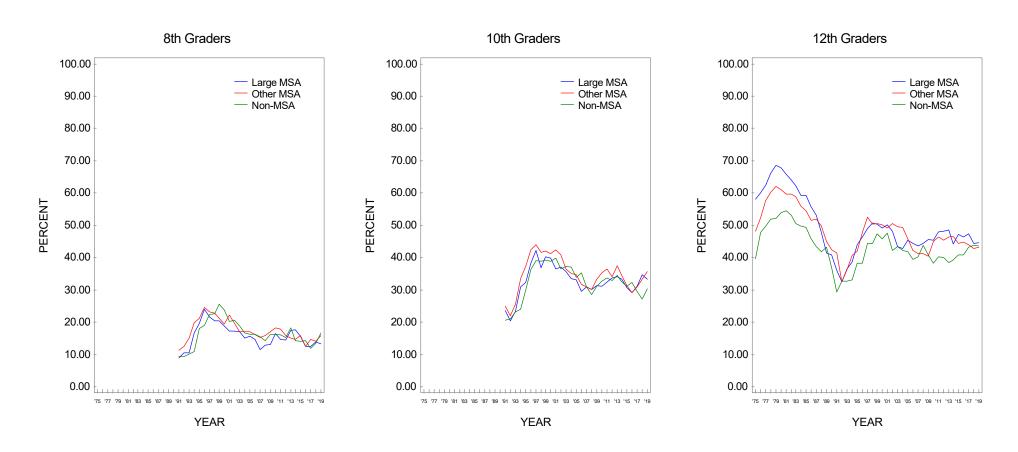
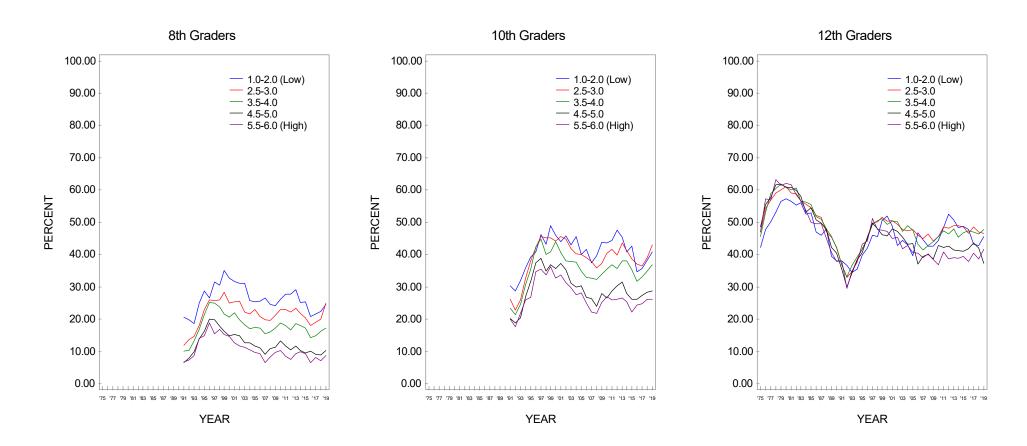
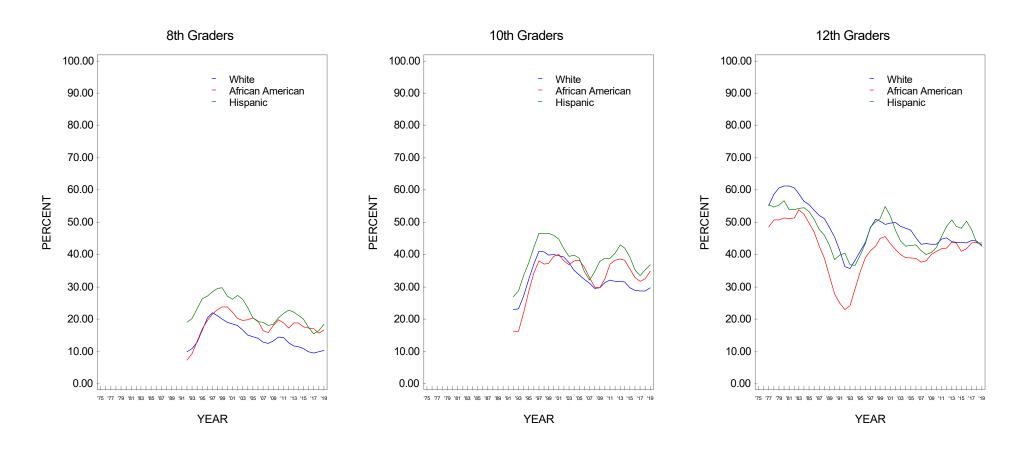


FIGURE 17
Marijuana: Trends in Lifetime Prevalence by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 18
Marijuana: Trends in Lifetime Prevalence by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 19
Marijuana: Trends in Annual Prevalence by Gender

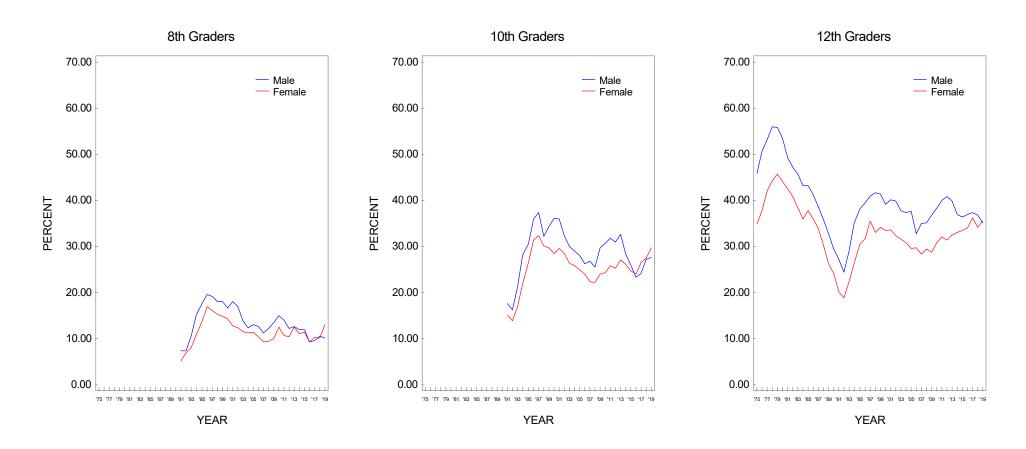


FIGURE 20 Marijuana: Trends in Annual Prevalence by College Plans

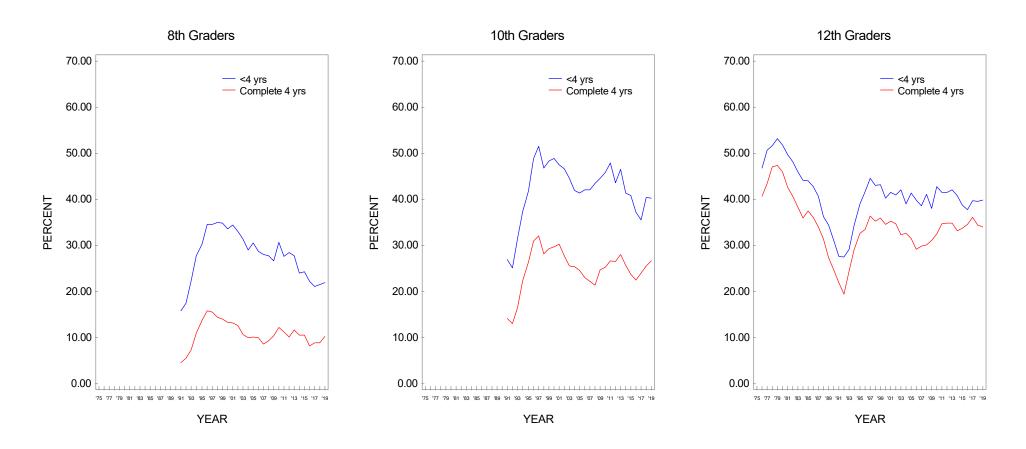


FIGURE 21
Marijuana: Trends in Annual Prevalence by Region

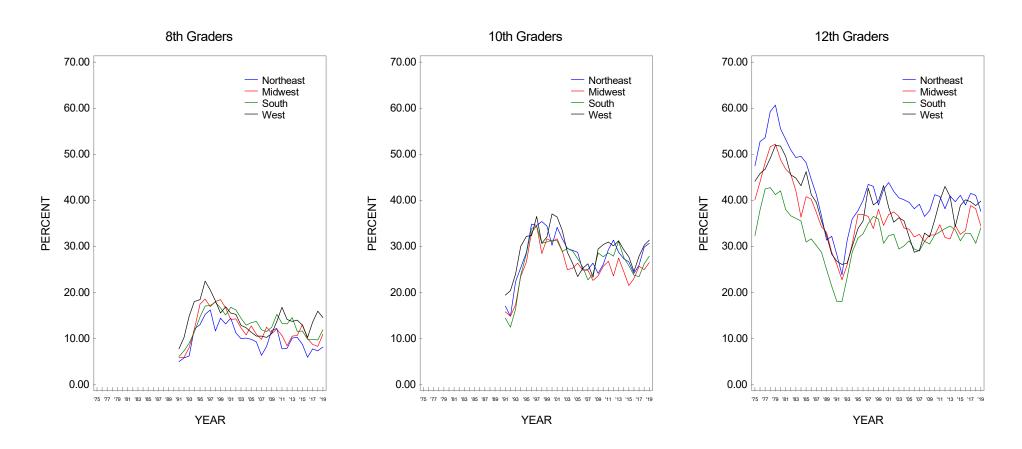


FIGURE 22
Marijuana: Trends in Annual Prevalence by Population Density

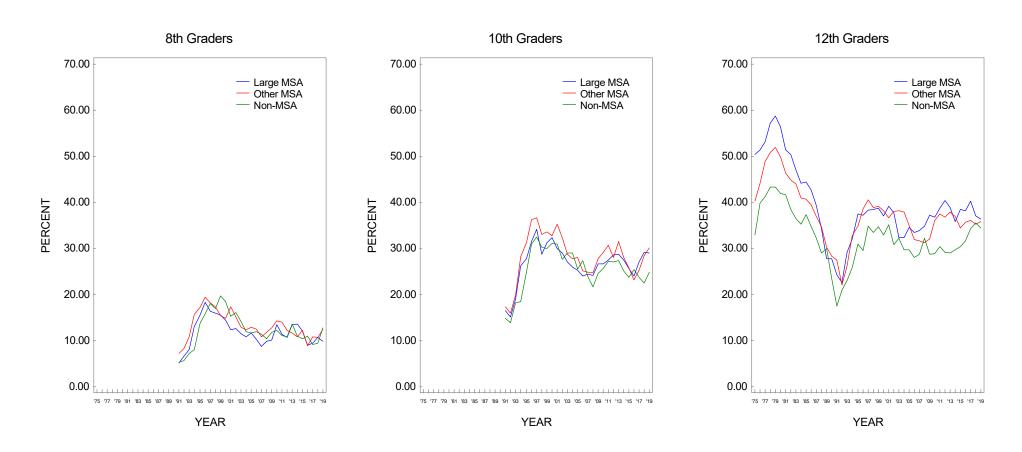
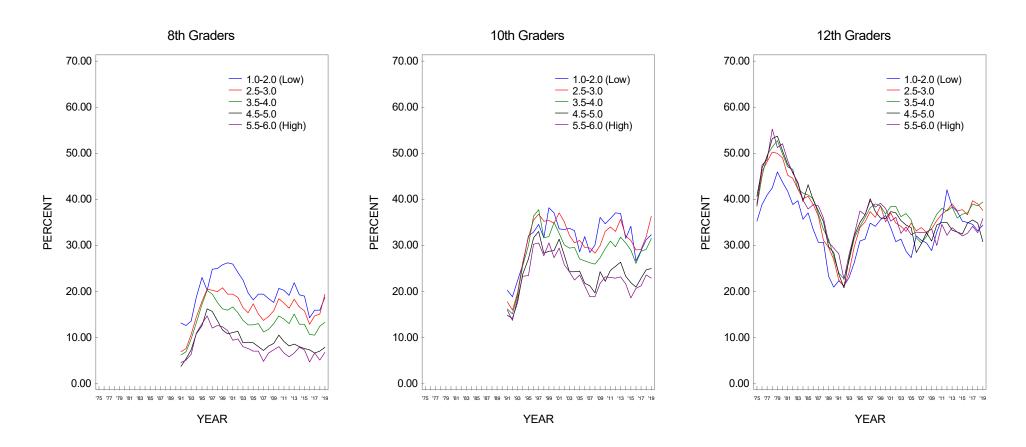
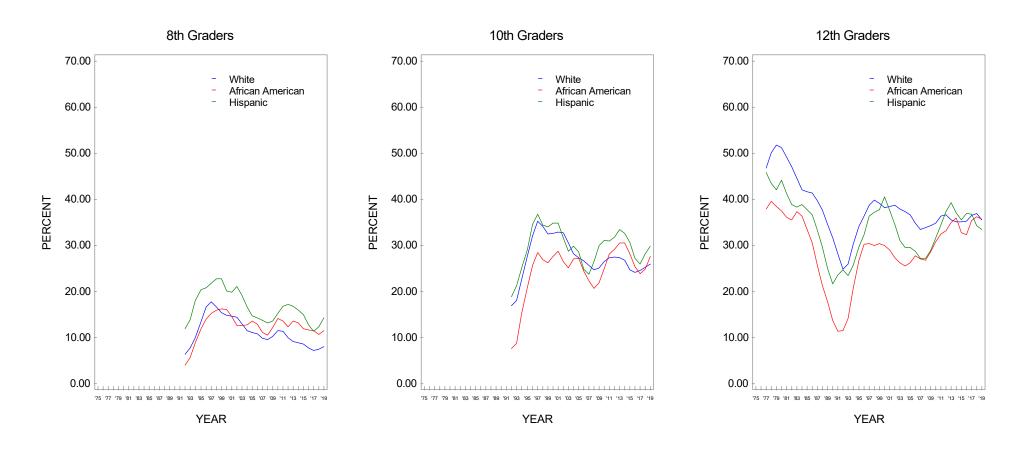


FIGURE 23
Marijuana: Trends in Annual Prevalence by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 24
Marijuana: Trends in Annual Prevalence by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 25
Marijuana: Trends in 30-Day Prevalence by Gender

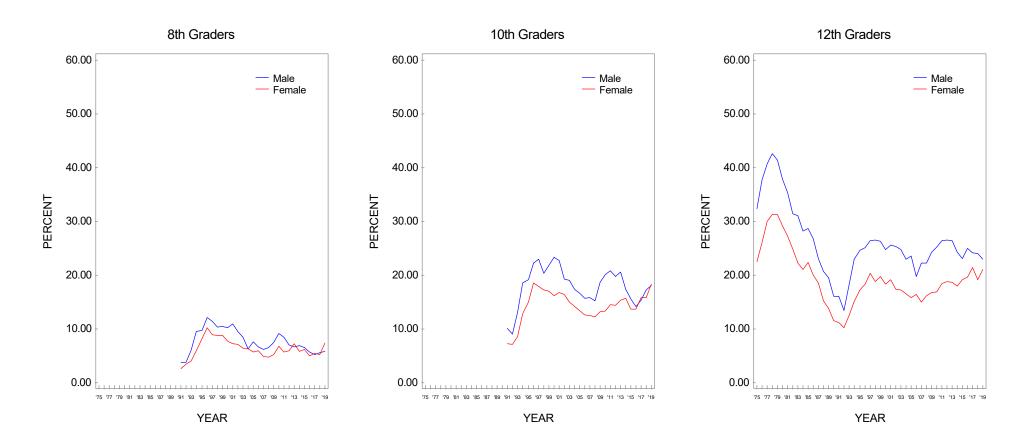


FIGURE 26
Marijuana: Trends in 30-Day Prevalence by College Plans

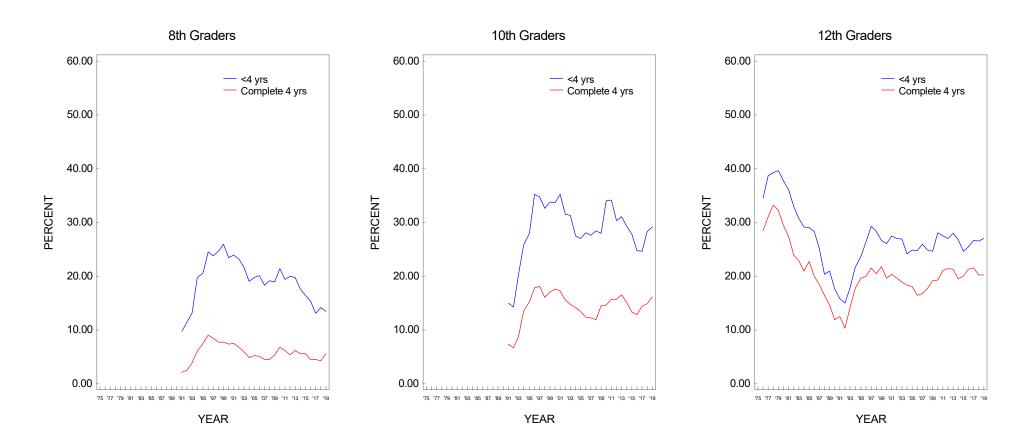


FIGURE 27
Marijuana: Trends in 30-Day Prevalence by Region

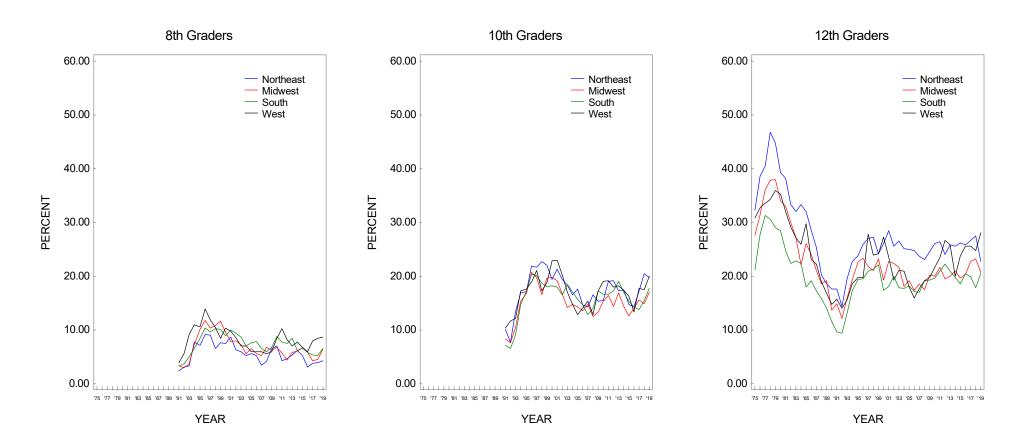


FIGURE 28
Marijuana: Trends in 30-Day Prevalence by Population Density

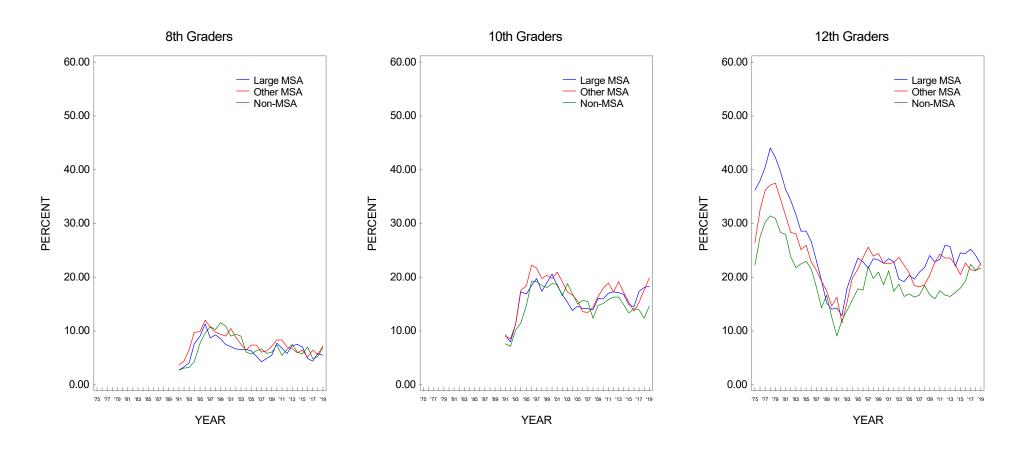
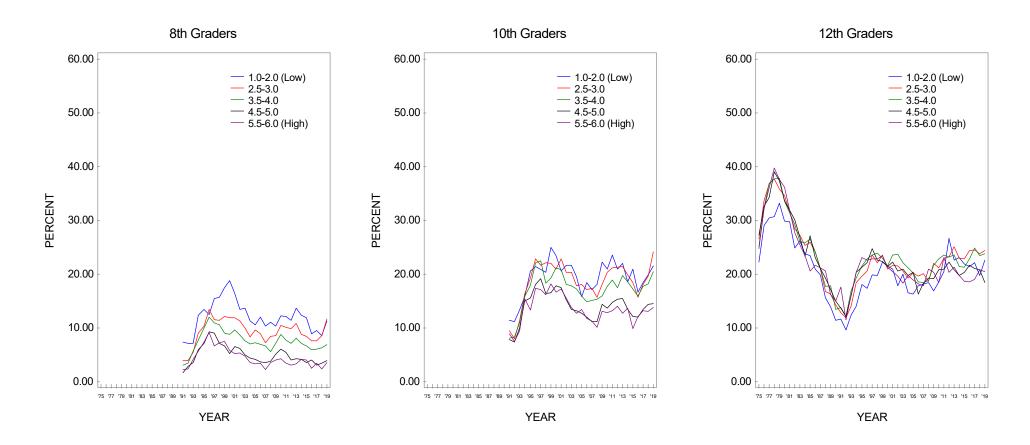
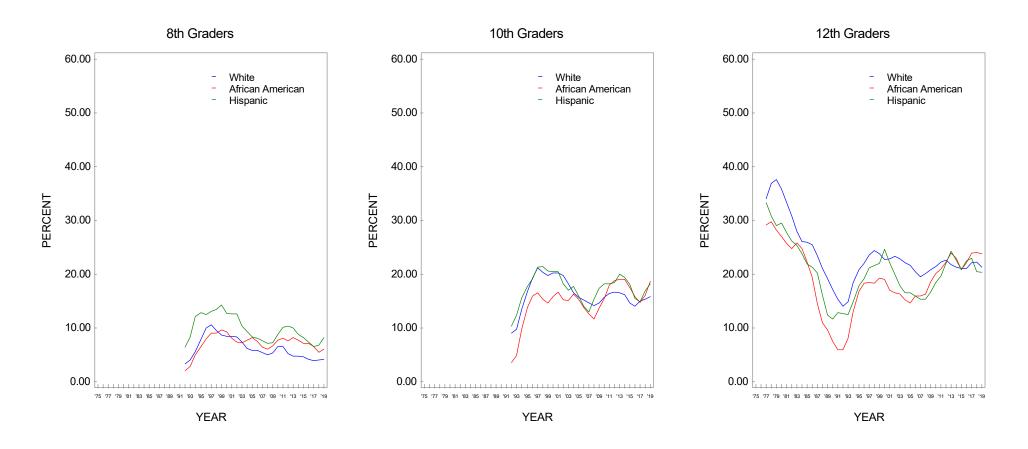


FIGURE 29
Marijuana: Trends in 30-Day Prevalence by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 30
Marijuana: Trends in 30-Day Prevalence by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 31
Marijuana: Trends in 30-Day Prevalence of Daily Use by Gender

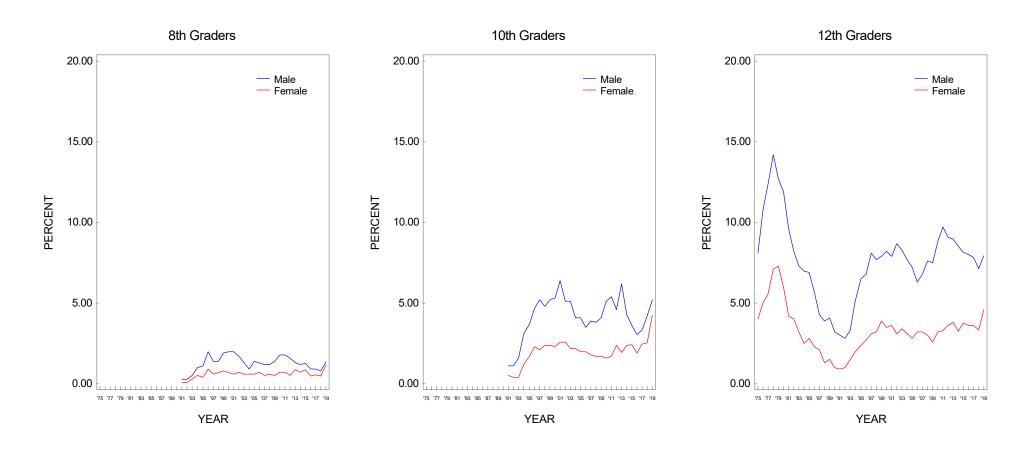


FIGURE 32 Marijuana: Trends in 30-Day Prevalence of Daily Use by College Plans

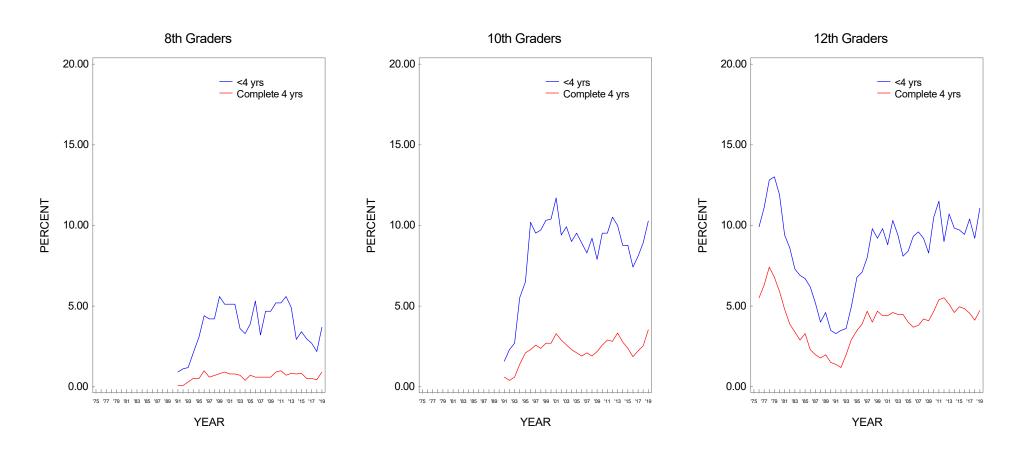


FIGURE 33
Marijuana: Trends in 30-Day Prevalence of Daily Use by Region

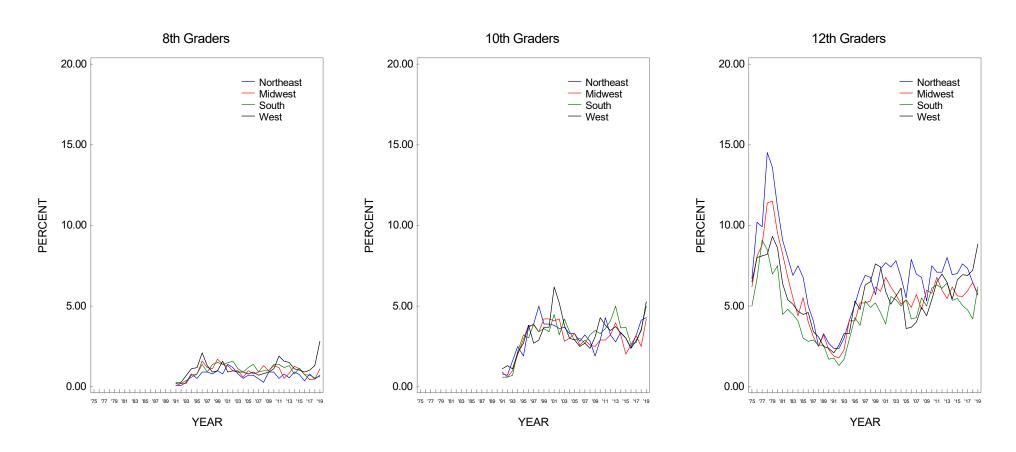


FIGURE 34
Marijuana: Trends in 30-Day Prevalence of Daily Use by Population Density

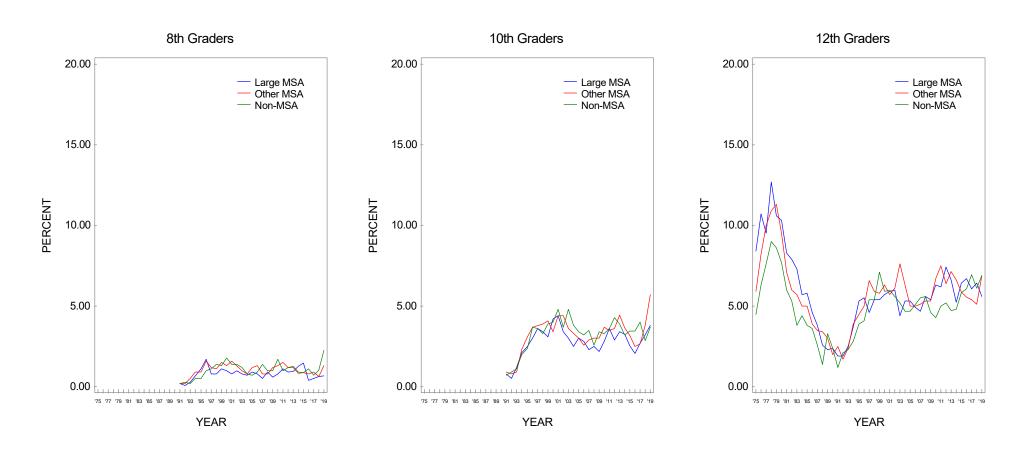
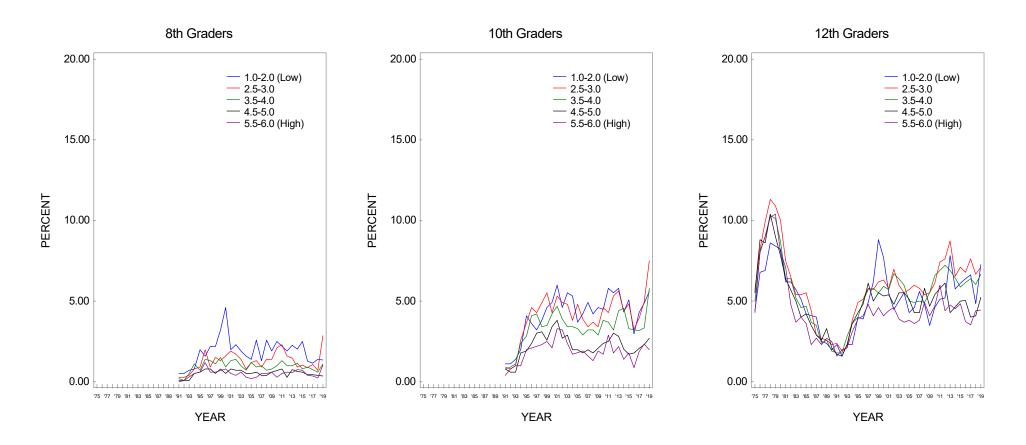
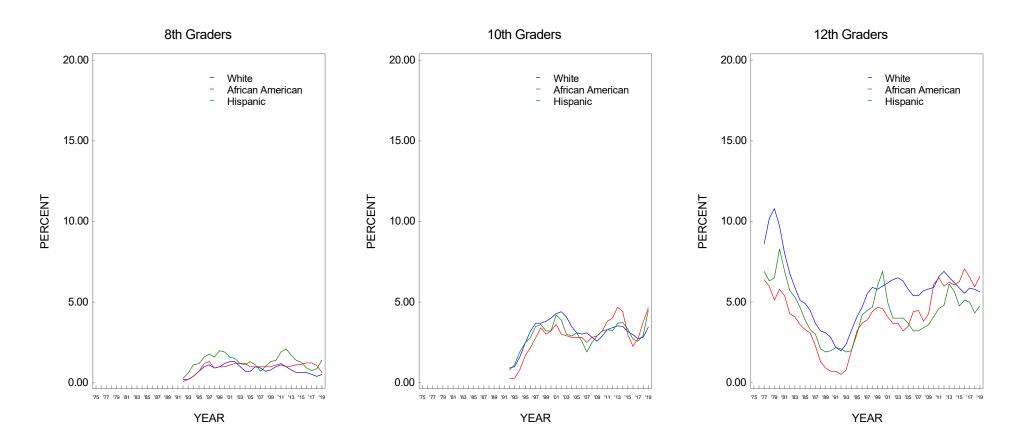


FIGURE 35
Marijuana: Trends 30-Day Prevalence of Daily Use by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 36
Marijuana: Trends in 30-Day Prevalence of Daily Use by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 37 Synthetic Marijuana: Trends in Annual Prevalence by Gender

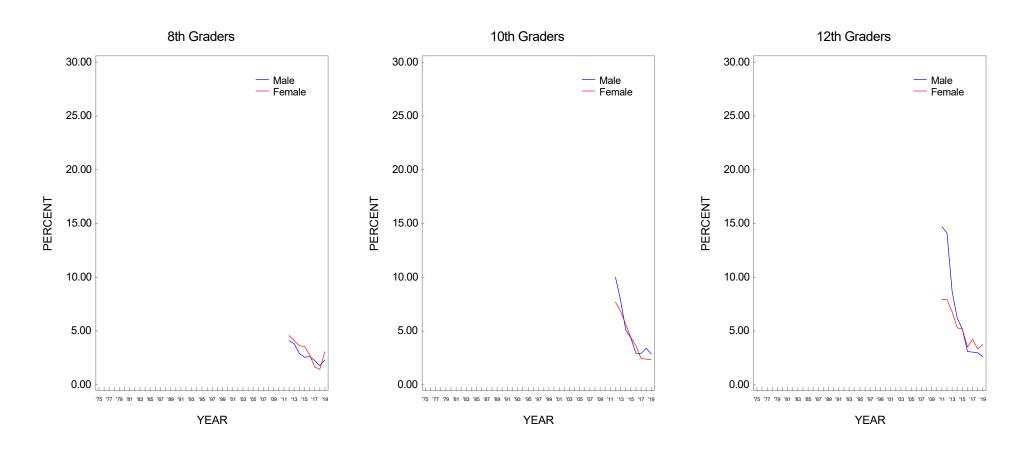


FIGURE 38
Synthetic Marijuana: Trends in Annual Prevalence by College Plans

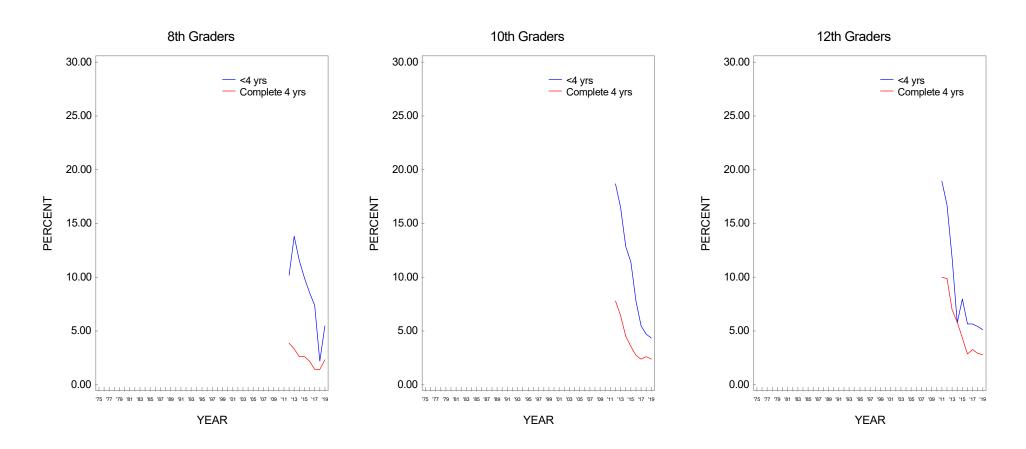


FIGURE 39
Synthetic Marijuana: Trends in Annual Prevalence by Region

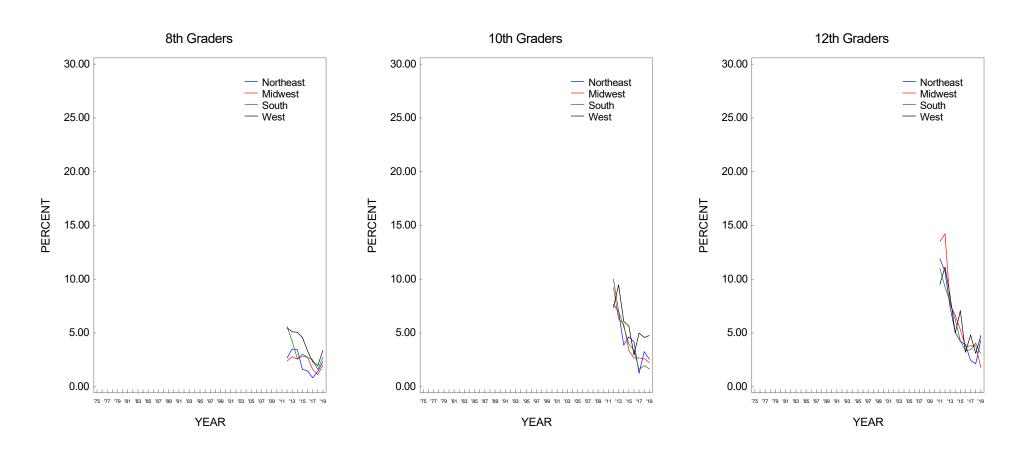


FIGURE 40
Synthetic Marijuana: Trends in Annual Prevalence by Population Density

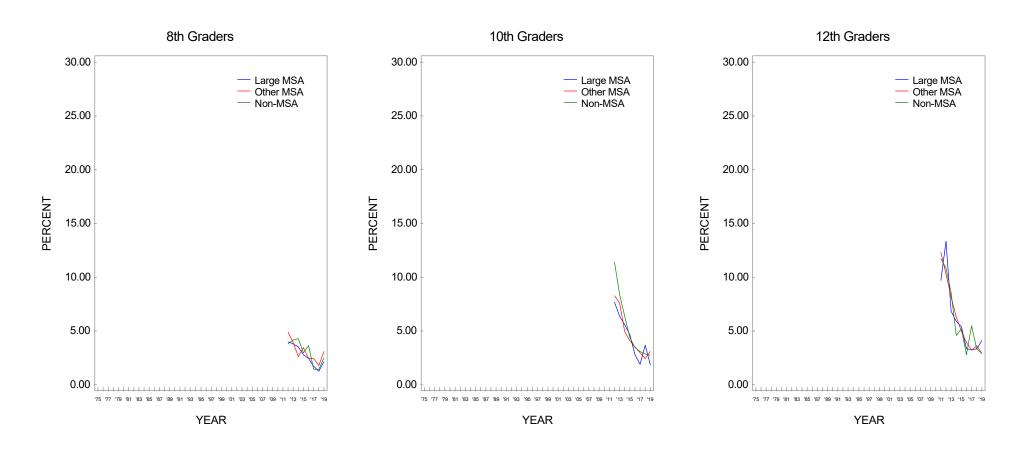
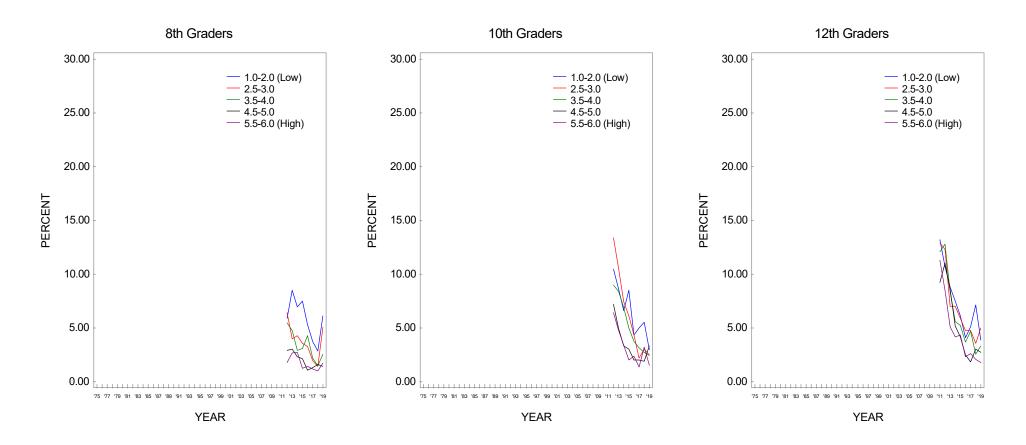
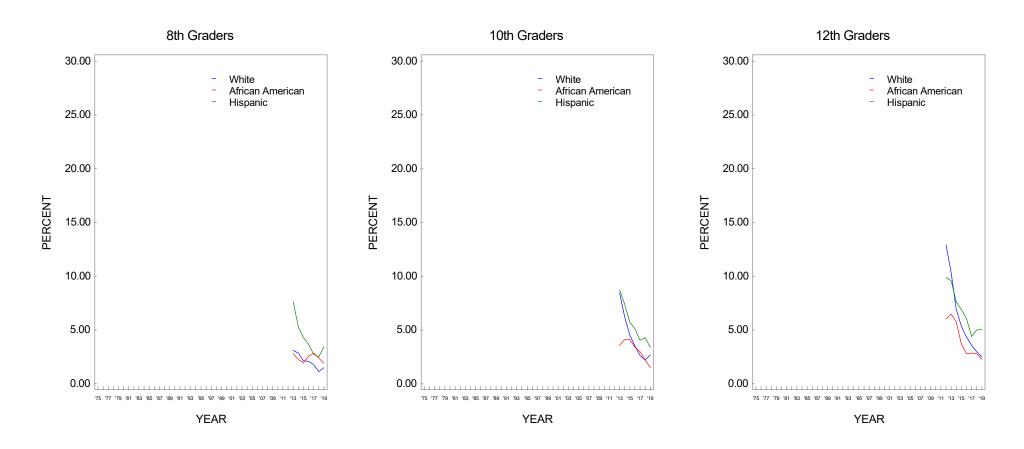


FIGURE 41
Synthetic Marijuana: Trends Annual Prevalence by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 42
Synthetic Marijuana: Trends in Annual Prevalence by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 43
Inhalants: Trends in Annual Prevalence by Gender

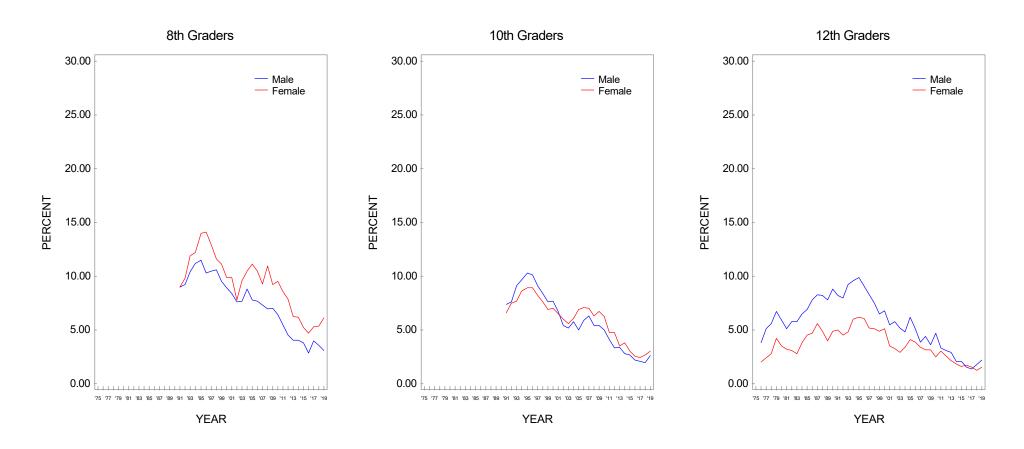


FIGURE 44
Inhalants: Trends in Annual Prevalence by College Plans

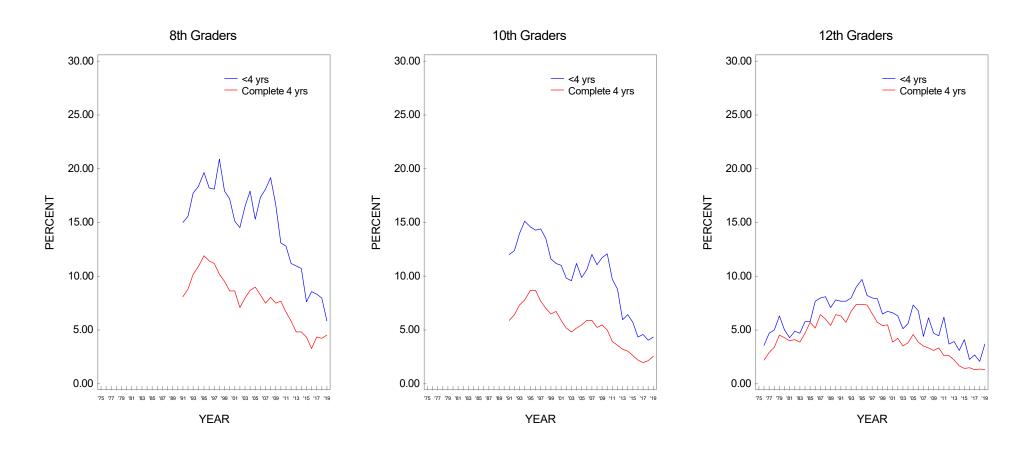


FIGURE 45
Inhalants: Trends in Annual Prevalence by Region

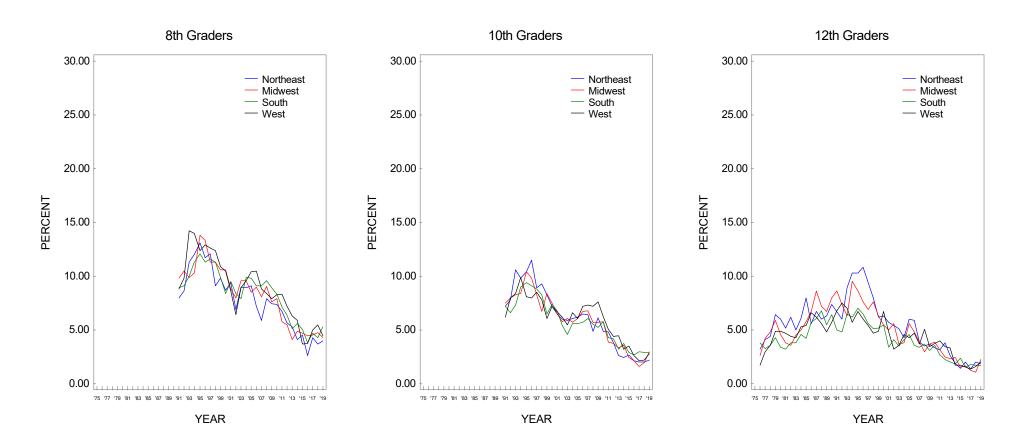


FIGURE 46
Inhalants: Trends in Annual Prevalence by Population Density

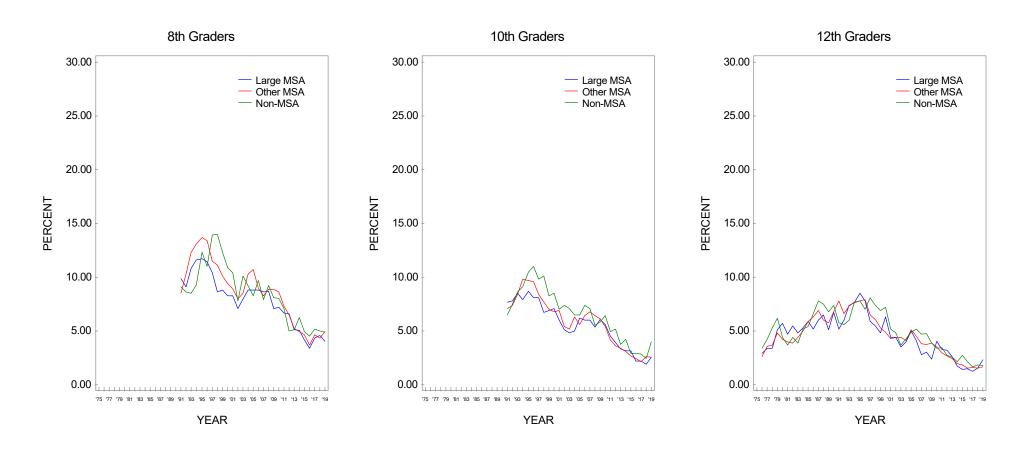
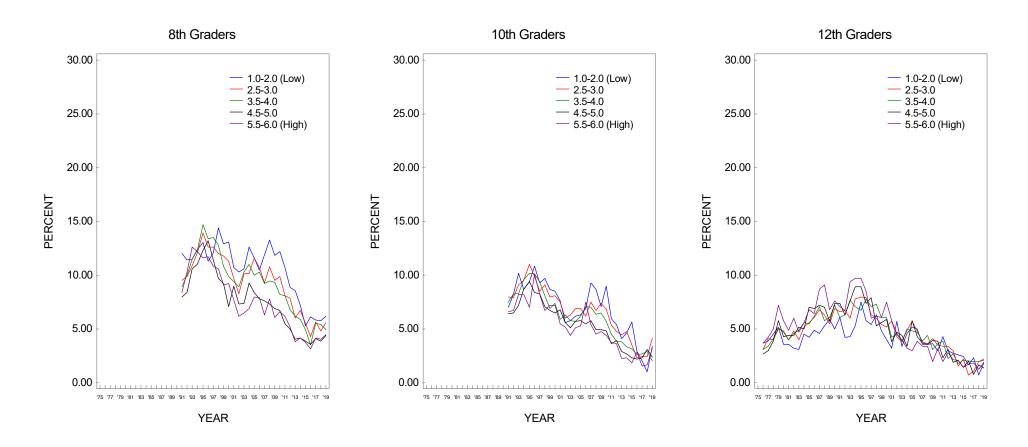
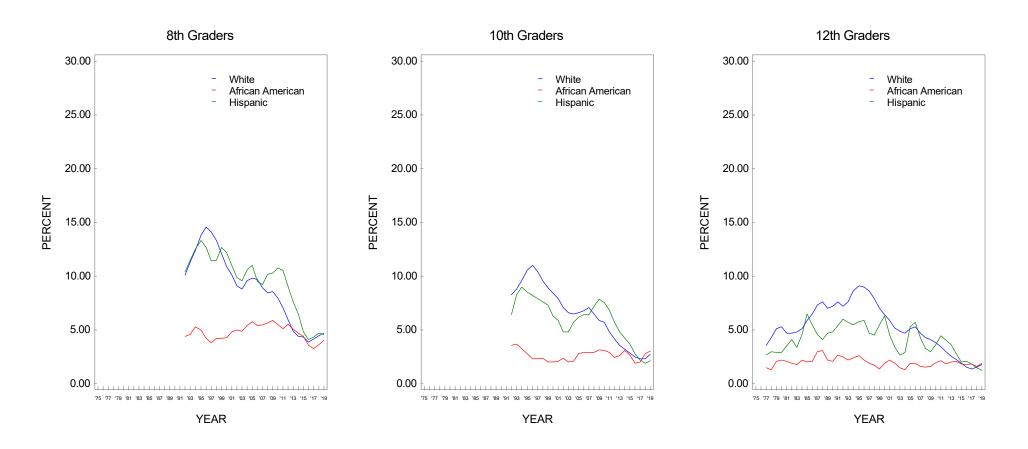


FIGURE 47
Inhalants: Trends in Annual Prevalence by Average Education Level of Parents*



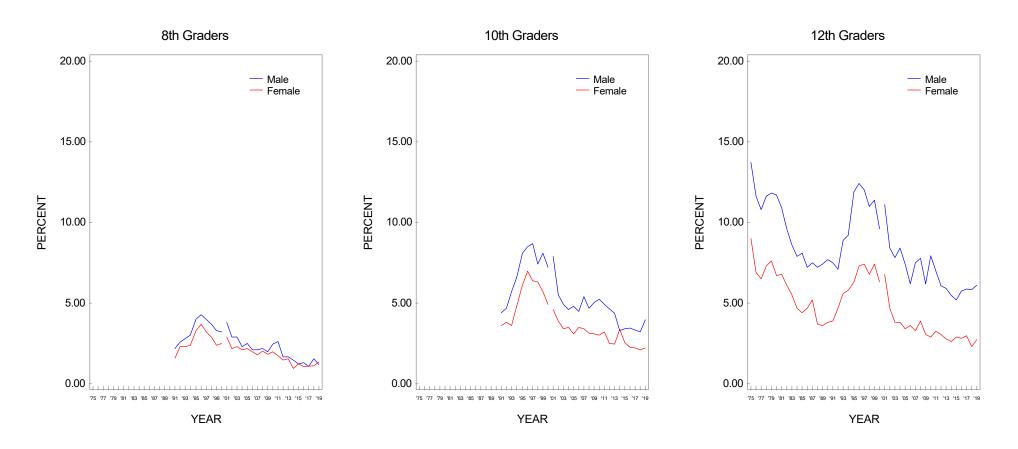
^{*}Parental education is an average score of mother's education and father's education.

FIGURE 48
Inhalants: Trends in Annual Prevalence by Race/Ethnicity*



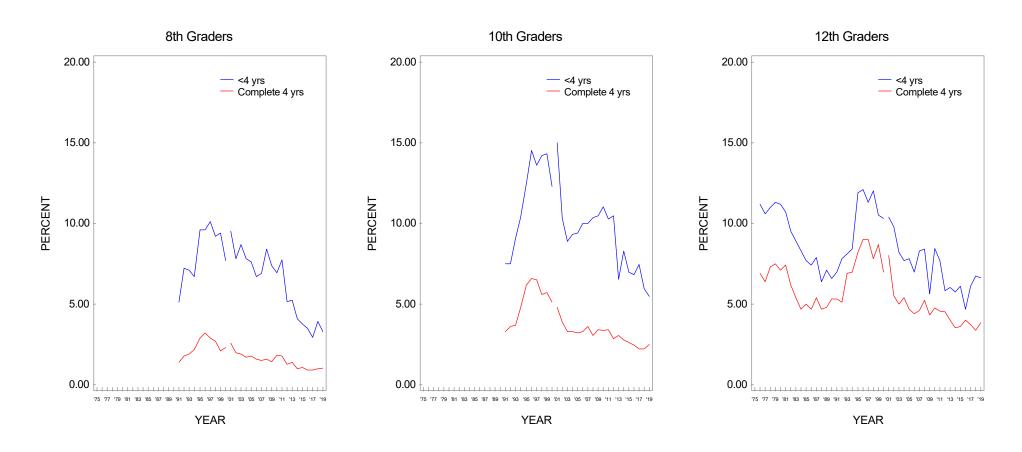
^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 49
Hallucinogens:* Trends in Annual Prevalence by Gender



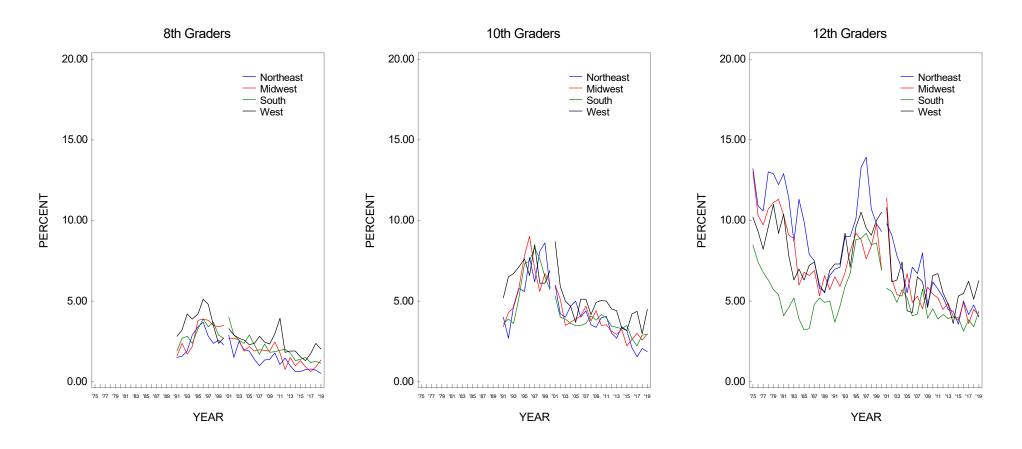
*Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Other psychedelics was changed to other hallucinogens, and shrooms was added to the list of examples. Data for hallucinogens are affected by these changes.

FIGURE 50
Hallucinogens:* Trends in Annual Prevalence by College Plans



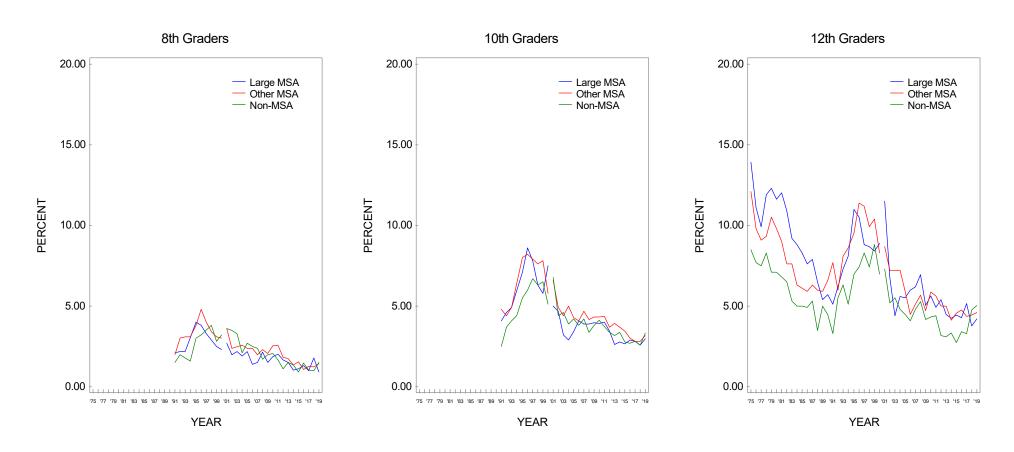
*Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Other psychedelics was changed to other hallucinogens, and shrooms was added to the list of examples. Data for hallucinogens are affected by these changes.

FIGURE 51
Hallucinogens:* Trends in Annual Prevalence by Region



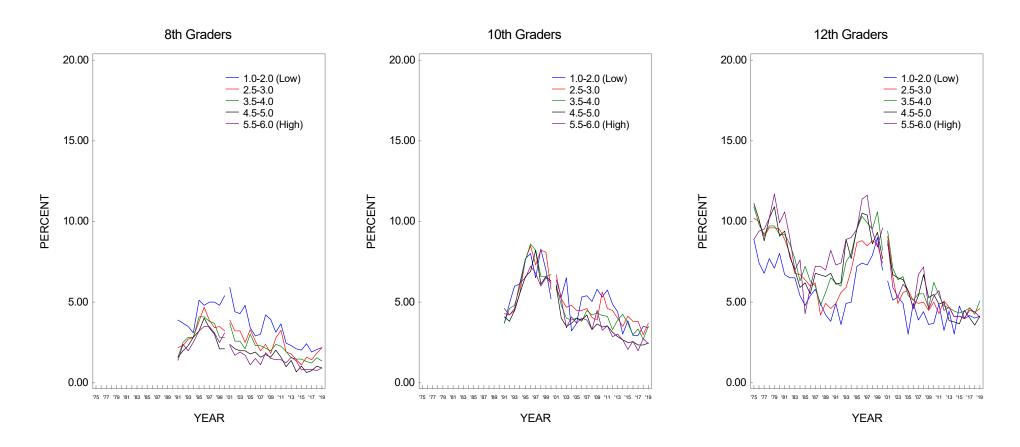
*Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Other psychedelics was changed to other hallucinogens, and shrooms was added to the list of examples. Data for hallucinogens are affected by these changes.

FIGURE 52
Hallucinogens:* Trends in Annual Prevalence by Population Density



*Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Other psychedelics was changed to other hallucinogens, and shrooms was added to the list of examples. Data for hallucinogens are affected by these changes.

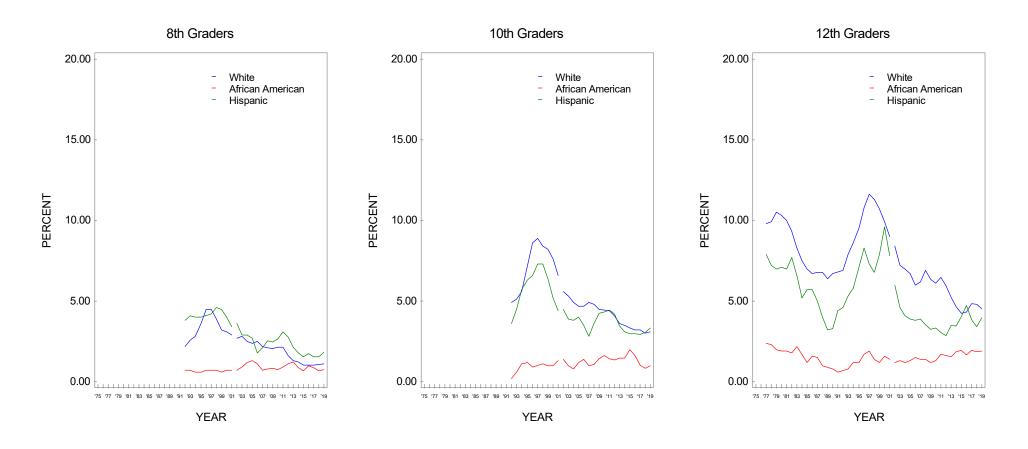
FIGURE 53
Hallucinogens:* Trends in Annual Prevalence by Average Education Level of Parents**



^{*}Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Other psychedelics was changed to other hallucinogens, and shrooms was added to the list of examples. Data for hallucinogens are affected by these changes.

^{**}Parental education is an average score of mother's education and father's education.

FIGURE 54
Hallucinogens:* Trends in Annual Prevalence by Race/Ethnicity**



^{*}Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Other psychedelics was changed to other hallucinogens, and shrooms was added to the list of examples. Data for hallucinogens are affected by these changes.

^{**}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 55
LSD: Trends in Annual Prevalence by Gender

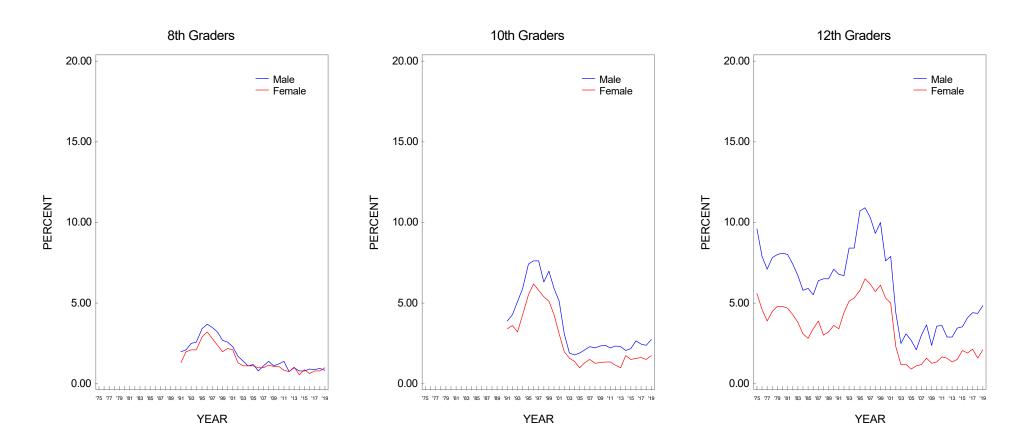


FIGURE 56 LSD: Trends in Annual Prevalence by College Plans

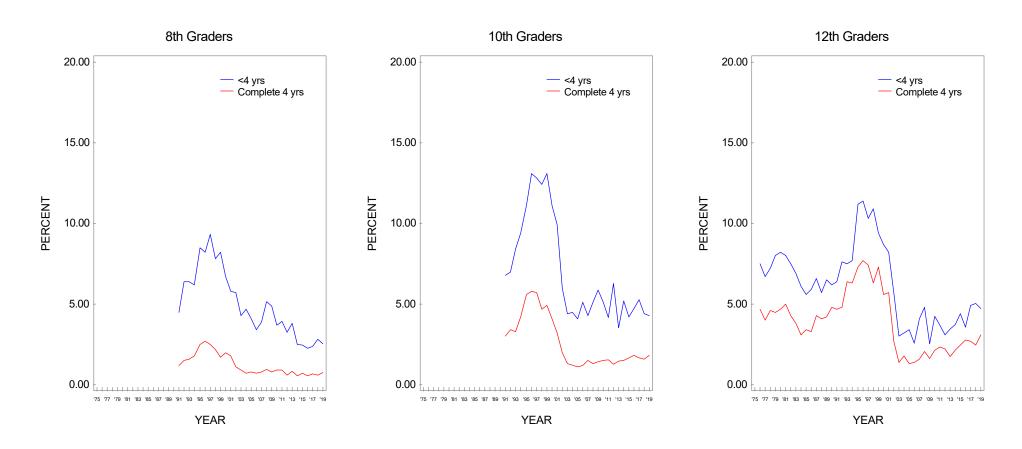


FIGURE 57 LSD: Trends in Annual Prevalence by Region

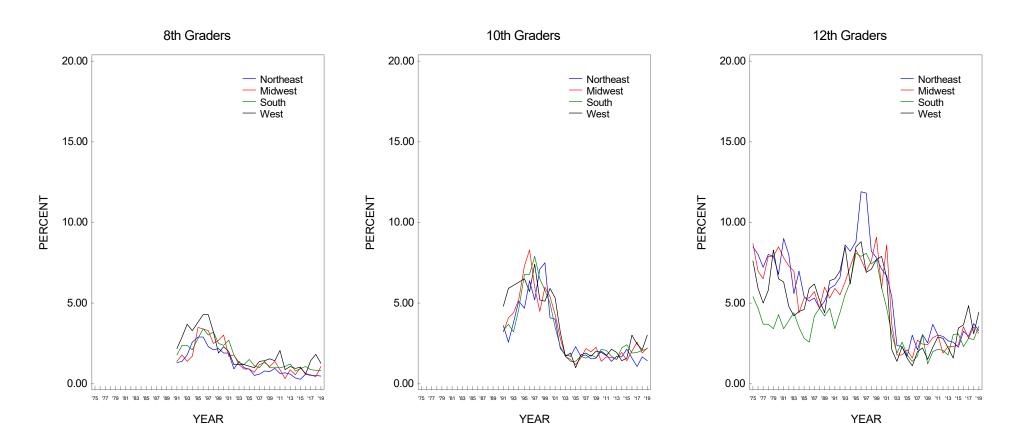


FIGURE 58
LSD: Trends in Annual Prevalence by Population Density

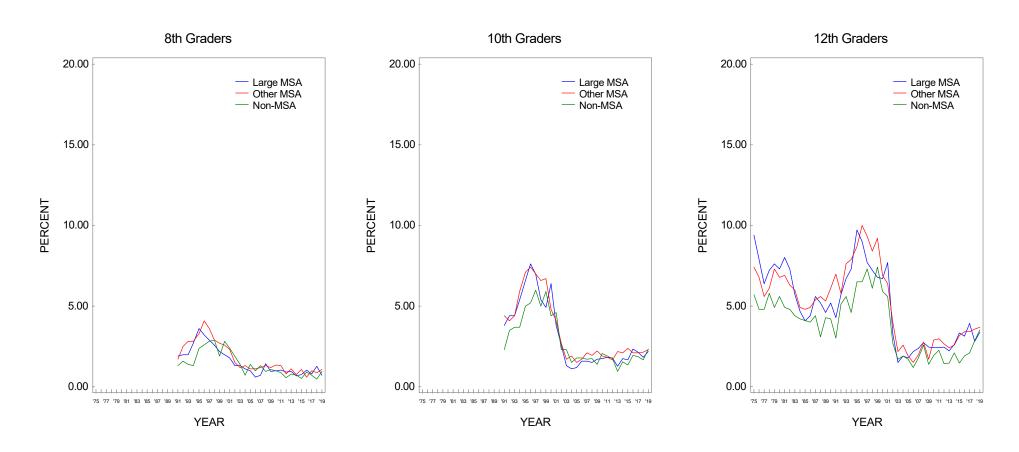
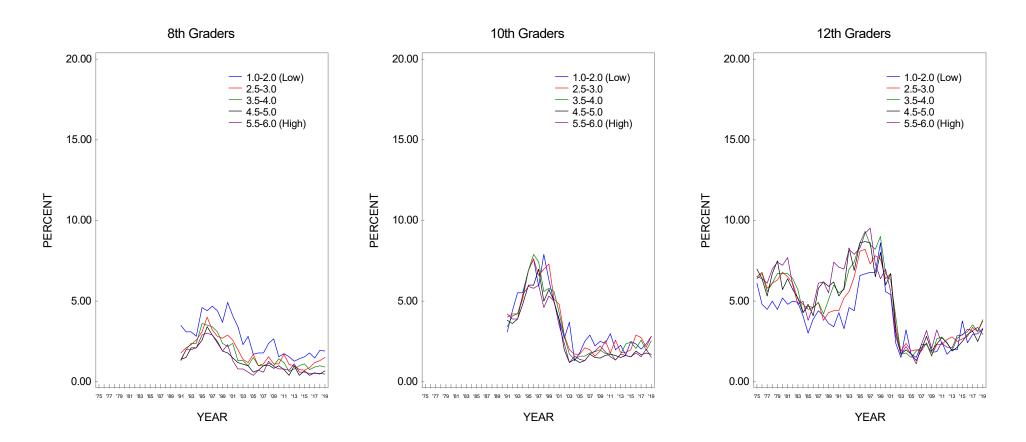
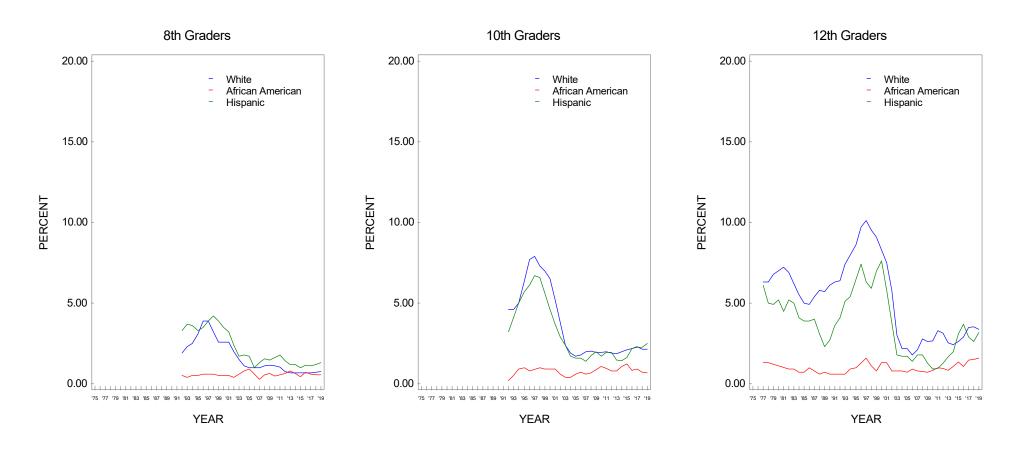


FIGURE 59
LSD: Trends in Annual Prevalence by Average Education Level of Parents*



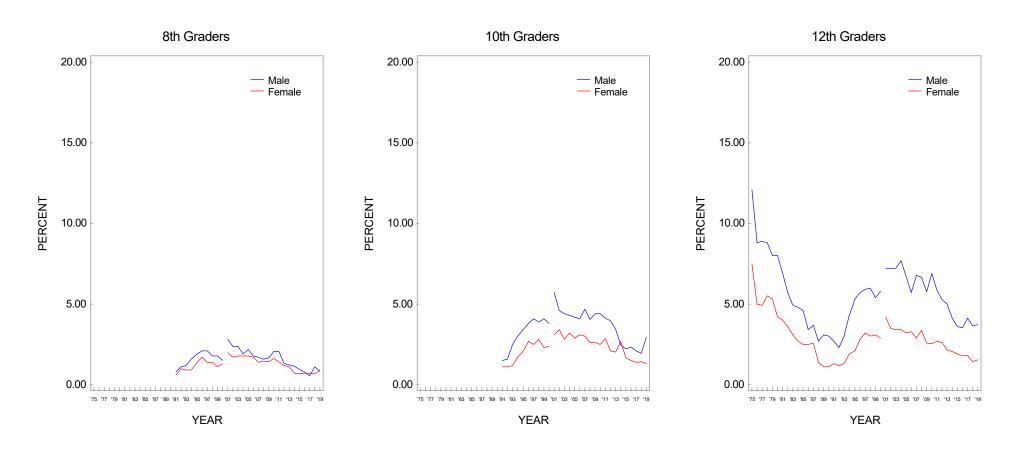
^{*}Parental education is an average score of mother's education and father's education.

FIGURE 60 LSD: Trends in Annual Prevalence by Race/Ethnicity*



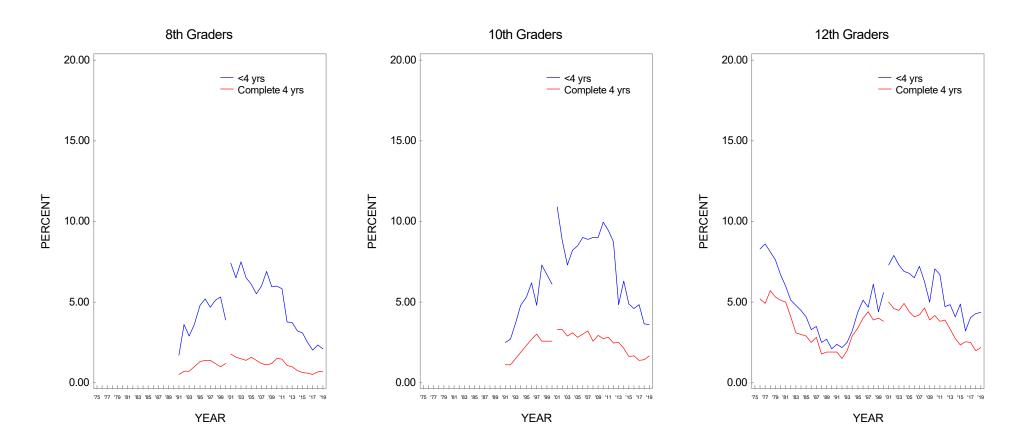
^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 61
Hallucinogens other than LSD:* Trends in Annual Prevalence by Gender



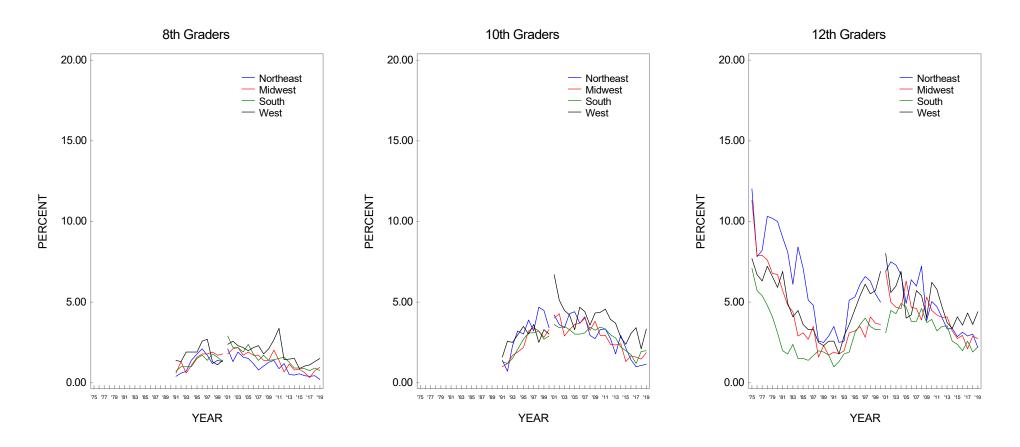
^{*}Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Other psychedelics was changed to other hallucinogens, and shrooms was added to the list of examples.

FIGURE 62
Hallucinogens other than LSD:* Trends in Annual Prevalence by College Plans



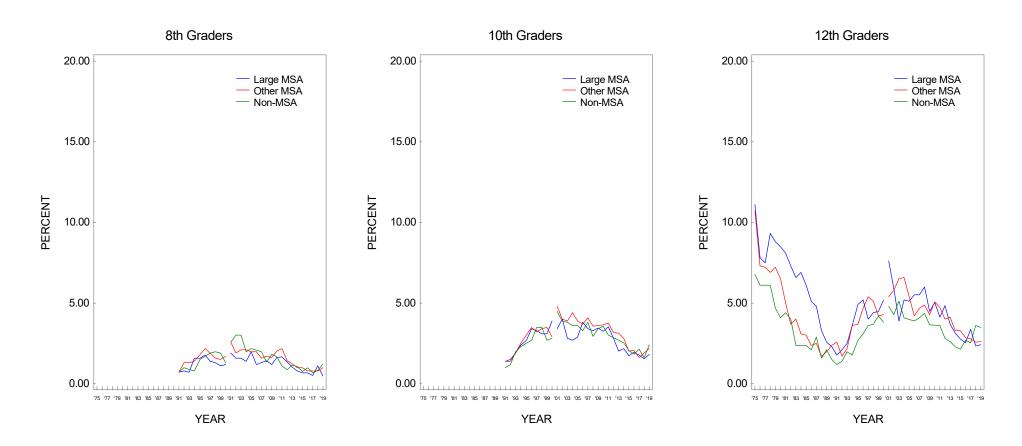
^{*}Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Other psychedelics was changed to other hallucinogens, and shrooms was added to the list of examples.

FIGURE 63
Hallucinogens other than LSD:* Trends in Annual Prevalence by Region



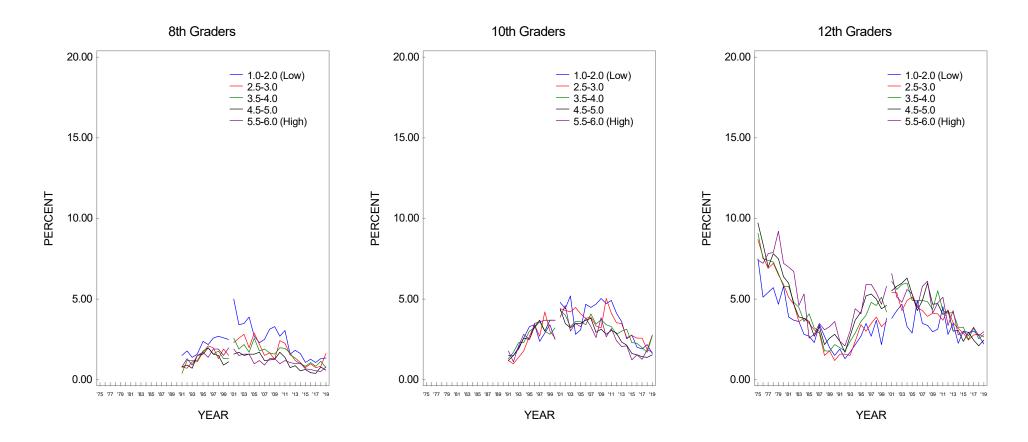
^{*}Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Other psychedelics was changed to other hallucinogens, and shrooms was added to the list of examples.

FIGURE 64
Hallucinogens other than LSD:* Trends in Annual Prevalence by Population Density



^{*}Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Other psychedelics was changed to other hallucinogens, and shrooms was added to the list of examples.

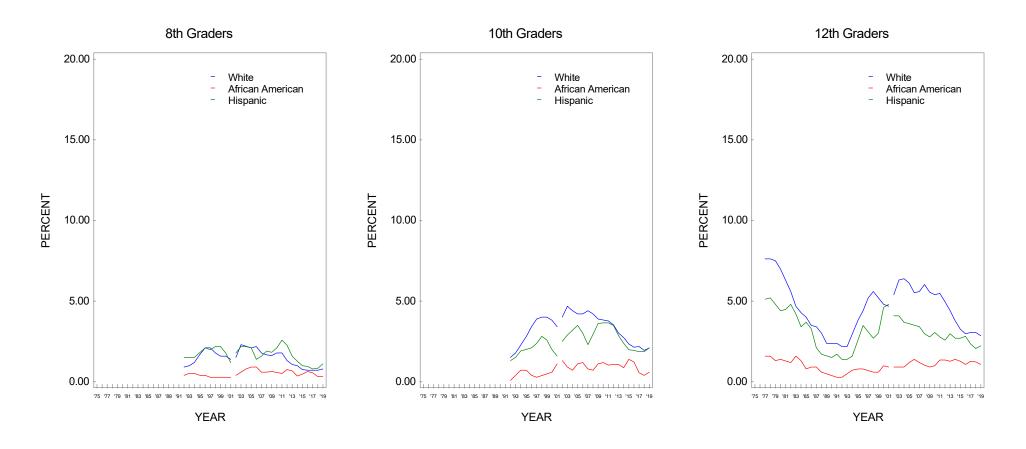
FIGURE 65
Hallucinogens other than LSD:* Trends in Annual Prevalence by Average Education Level of Parents**



^{*}Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Other psychedelics was changed to other hallucinogens, and shrooms was added to the list of examples.

^{**}Parental education is an average score of mother's education and father's education.

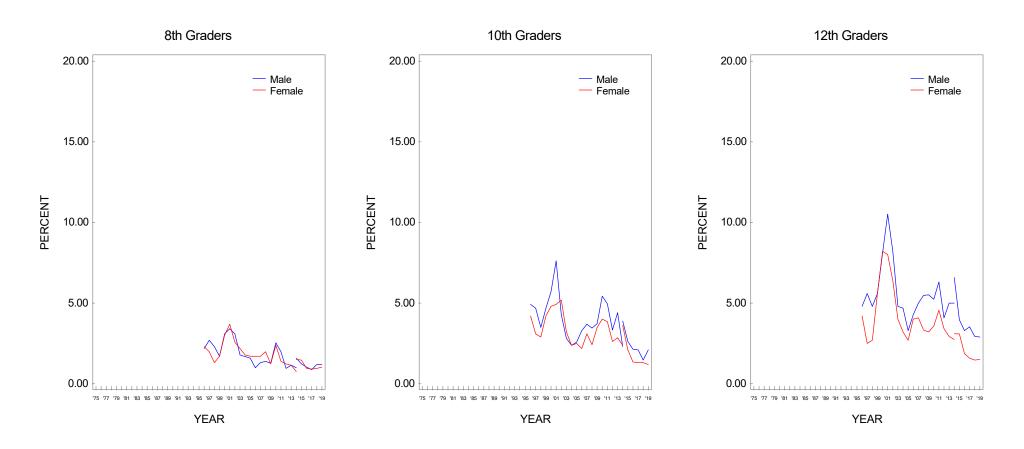
FIGURE 66
Hallucinogens other than LSD:* Trends in Annual Prevalence by Race/Ethnicity**



^{*}Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Other psychedelics was changed to other hallucinogens, and shrooms was added to the list of examples.

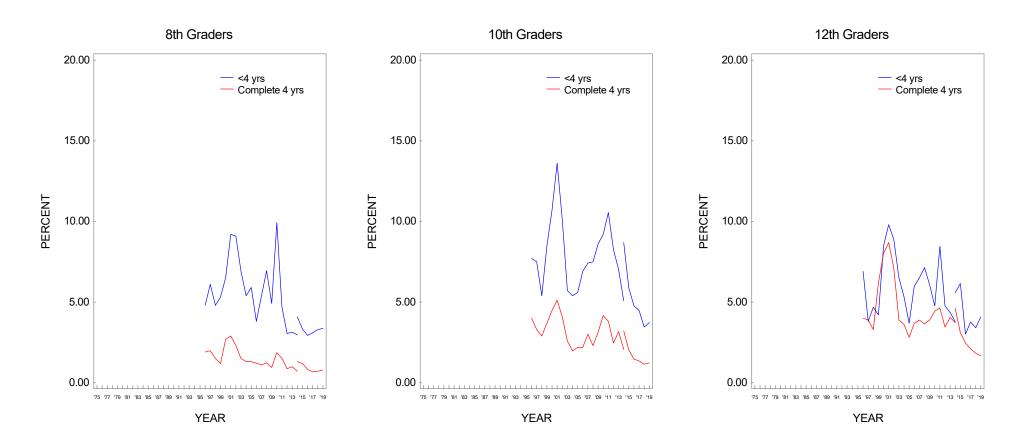
^{**}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 67
MDMA (Ecstasy, Molly)*: Trends in Annual Prevalence by Gender



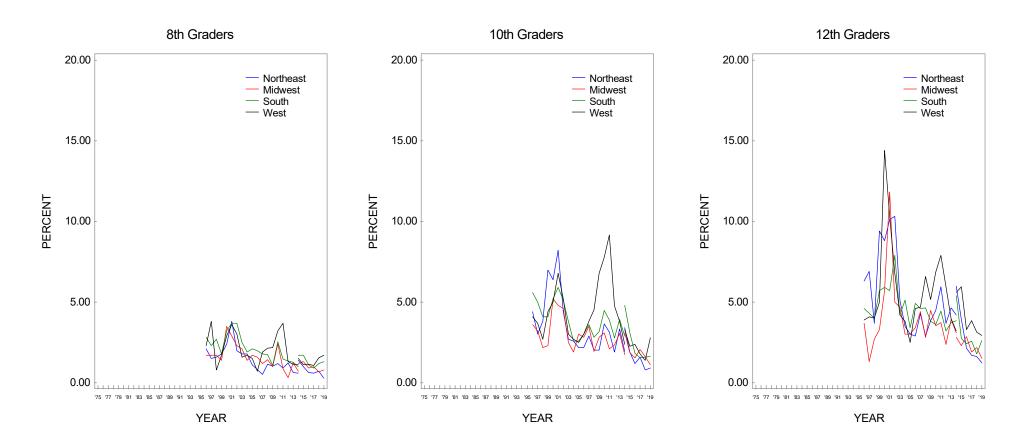
^{*}In 2014, the question was changed in some of the questionnaire forms to include molly in the list of examples. In 2015, it was changed in the remaining forms. Data is presented here for both versions of the question.

FIGURE 68
MDMA (Ecstasy, Molly)*: Trends in Annual Prevalence by College Plans



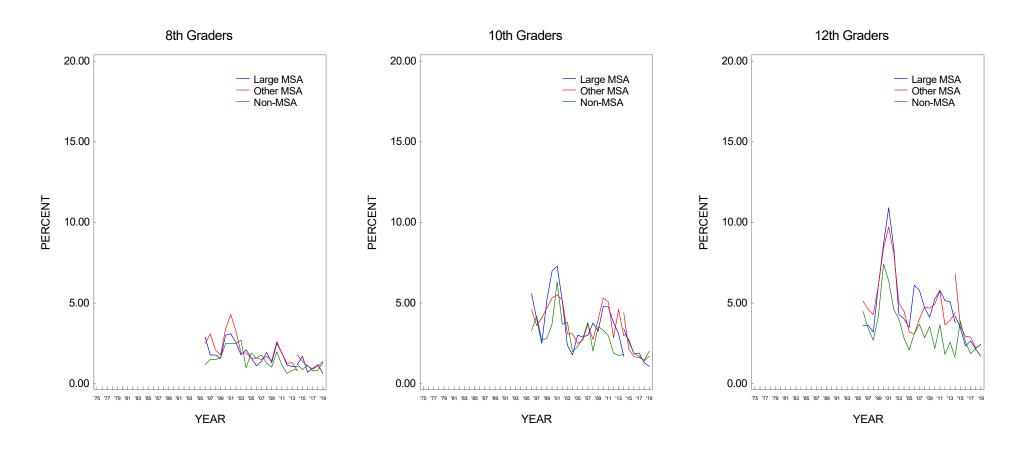
^{*}In 2014, the question was changed in some of the questionnaire forms to include molly in the list of examples. In 2015, it was changed in the remaining forms. Data is presented here for both versions of the question.

FIGURE 69
MDMA (Ecstasy, Molly)*: Trends in Annual Prevalence by Region



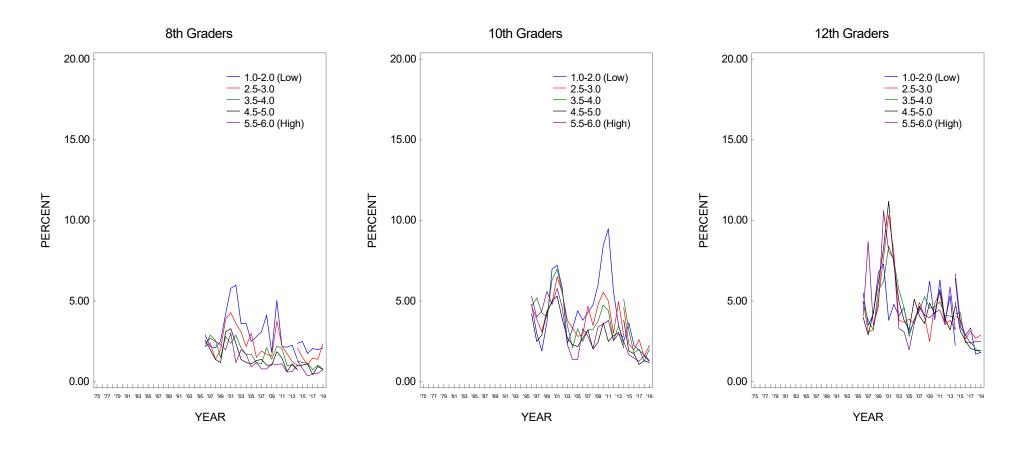
^{*}In 2014, the question was changed in some of the questionnaire forms to include molly in the list of examples. In 2015, it was changed in the remaining forms. Data is presented here for both versions of the question.

FIGURE 70
MDMA (Ecstasy, Molly)*: Trends in Annual Prevalence by Population Density



^{*}In 2014, the question was changed in some of the questionnaire forms to include molly in the list of examples. In 2015, it was changed in the remaining forms. Data is presented here for both versions of the question.

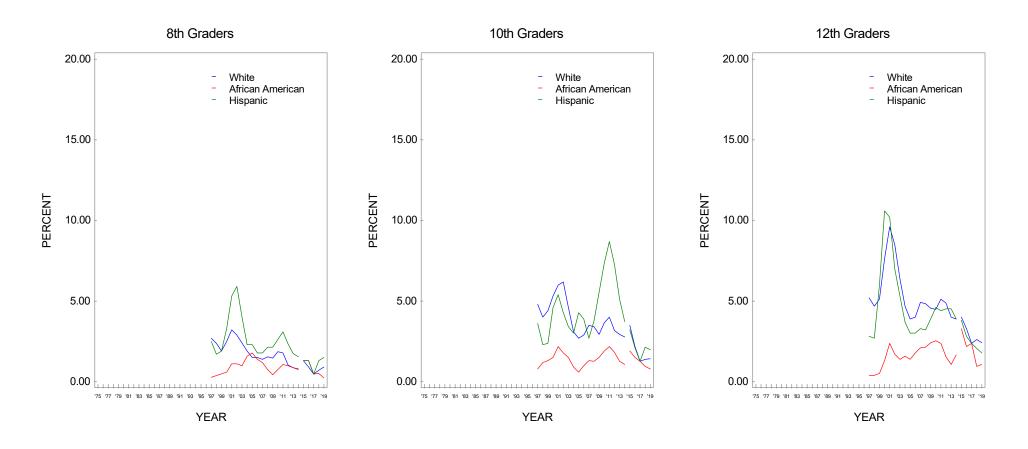
FIGURE 71
MDMA (Ecstasy, Molly)*: Trends in Annual Prevalence by Average Education Level of Parents**



^{*}In 2014, the question was changed in some of the questionnaire forms to include molly in the list of examples. In 2015, it was changed in the remaining forms. Data is presented here for both versions of the question.

^{**}Parental education is an average score of mother's education and father's education.

FIGURE 72
MDMA (Ecstasy, Molly)*: Trends in Annual Prevalence by Race/Ethnicity**



^{*}In 2014, the question was changed in some of the questionnaire forms to include molly in the list of examples. In 2015, it was changed in the remaining forms. Data is presented here for both versions of the question.

^{**}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 73
Salvia: Trends in Annual Prevalence by Gender

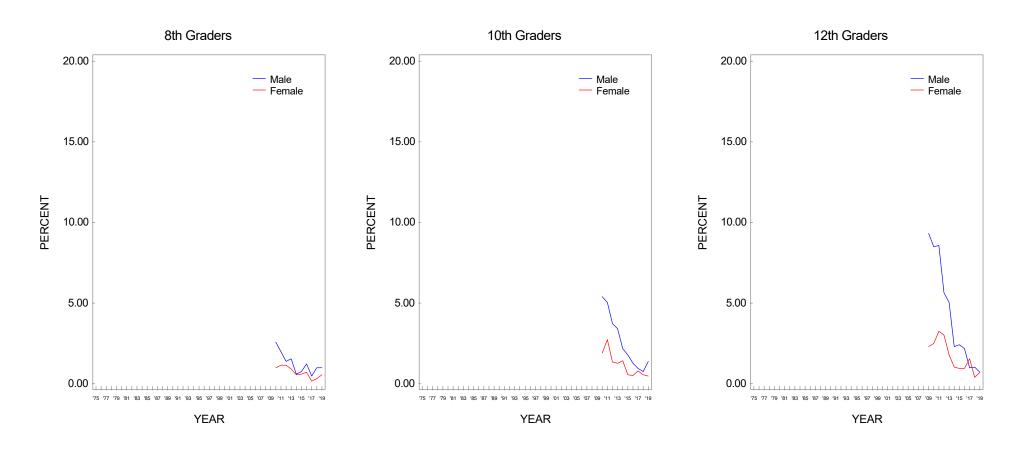


FIGURE 74
Salvia: Trends in Annual Prevalence by College Plans

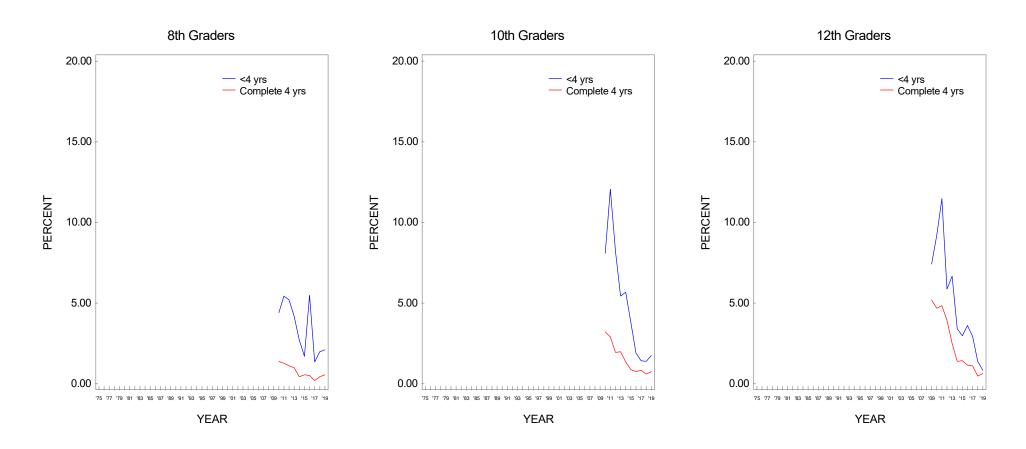


FIGURE 75
Salvia: Trends in Annual Prevalence by Region

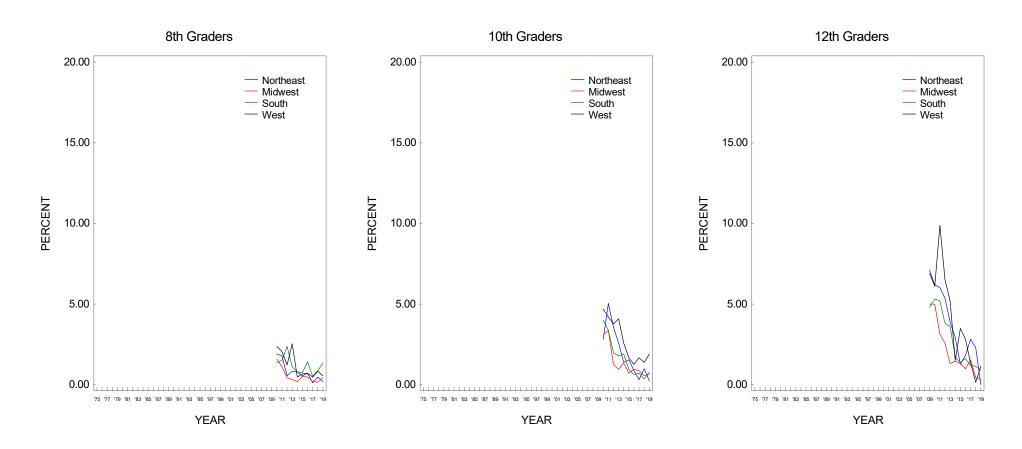


FIGURE 76
Salvia: Trends in Annual Prevalence by Population Density

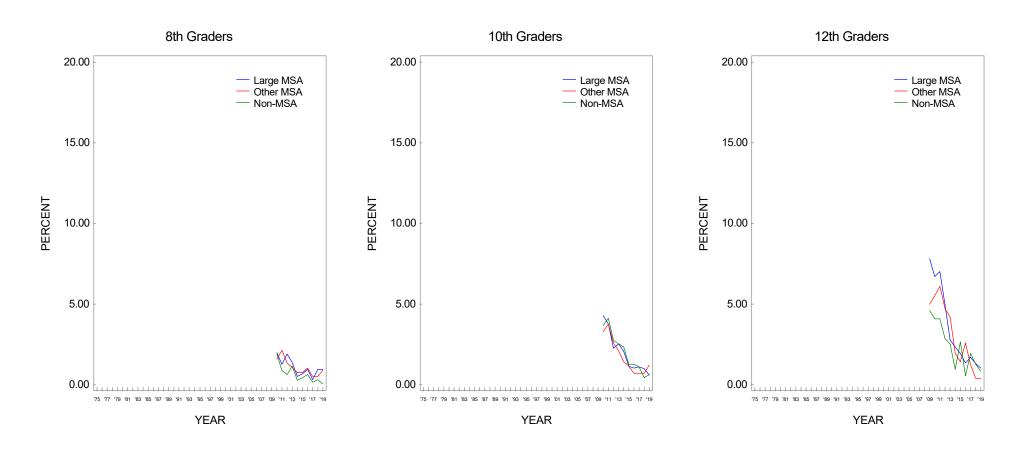
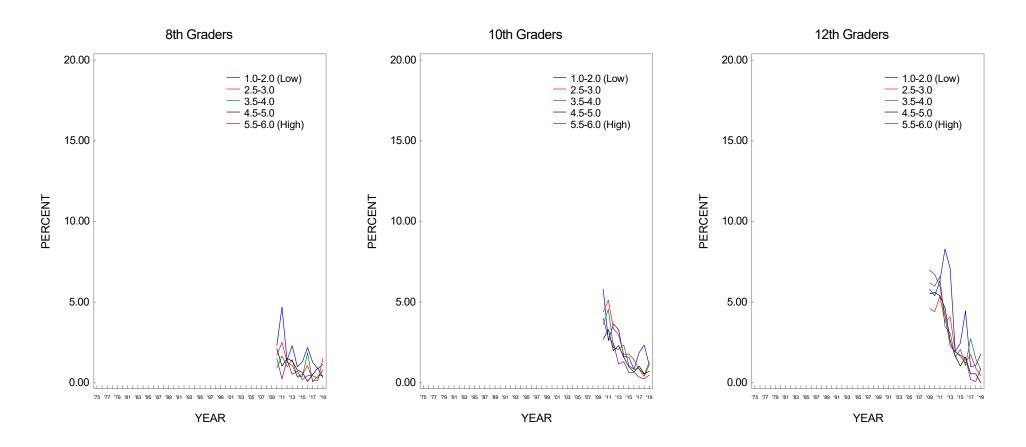
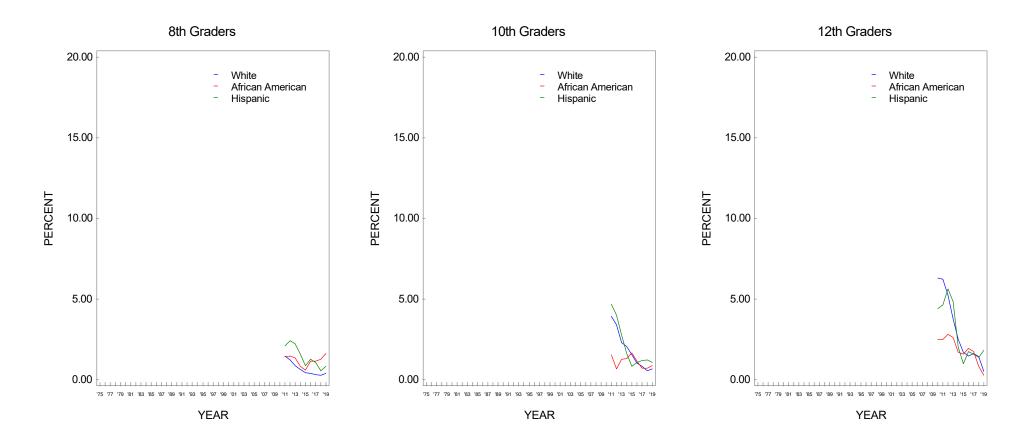


FIGURE 77
Salvia: Trends in Annual Prevalence by Average Education Level of Parents*



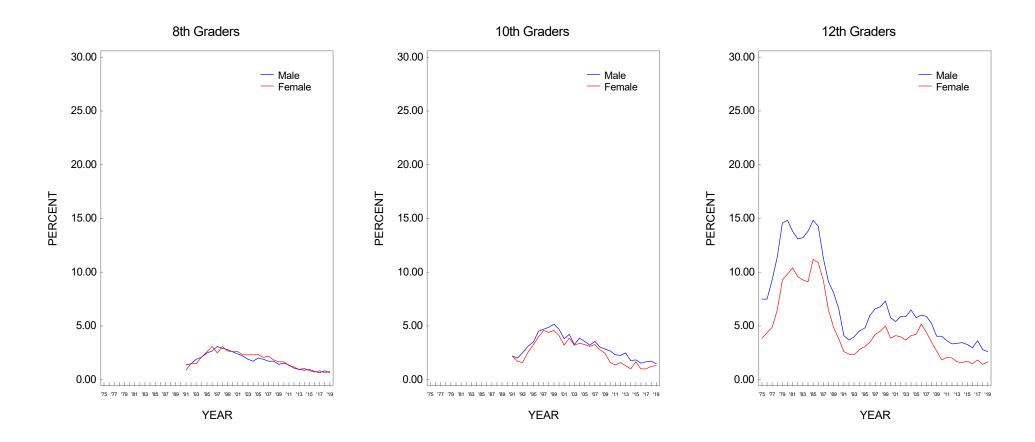
^{*}Parental education is an average score of mother's education and father's education.

FIGURE 78
Salvia: Trends in Annual Prevalence by Race/Ethnicity*



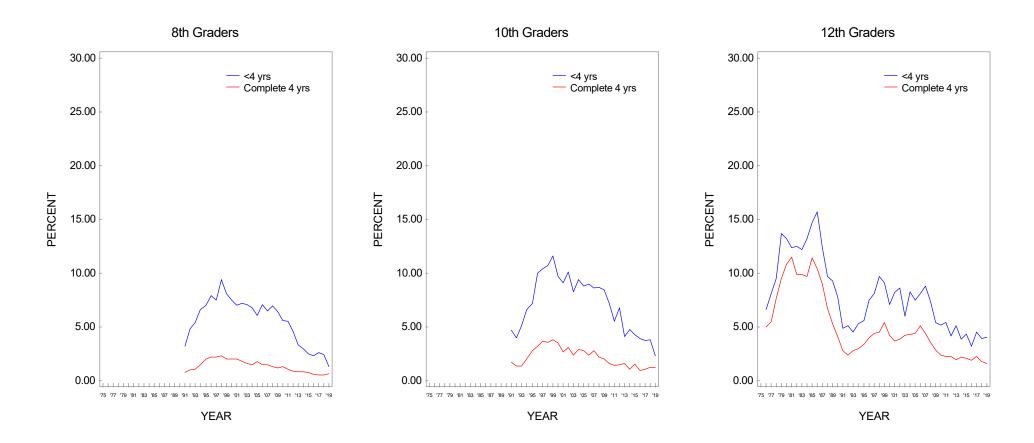
^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 79
Cocaine*: Trends in Annual Prevalence by Gender



Source. The Monitoring the Future study, the University of Michigan. *Cocaine in any form.

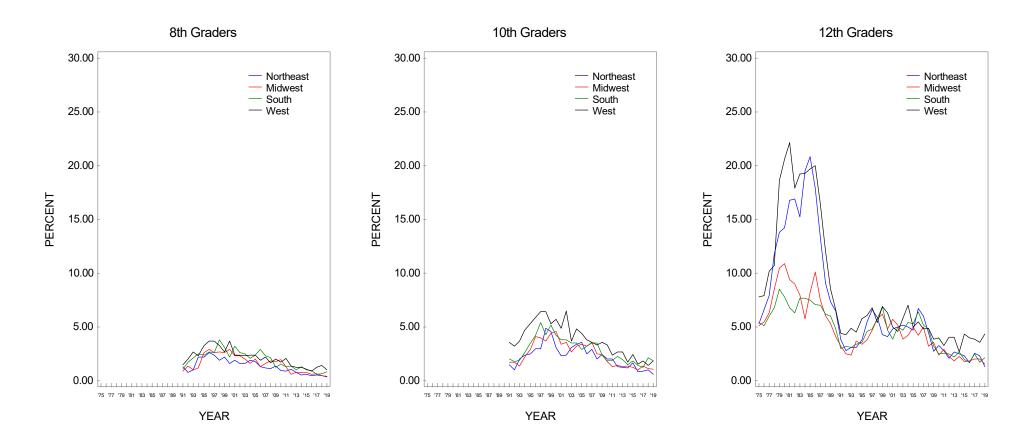
FIGURE 80 Cocaine*: Trends in Annual Prevalence by College Plans



 $\label{eq:Source.} \textbf{Source.} \ \ \textbf{The Monitoring the Future study, the University of Michigan.}$

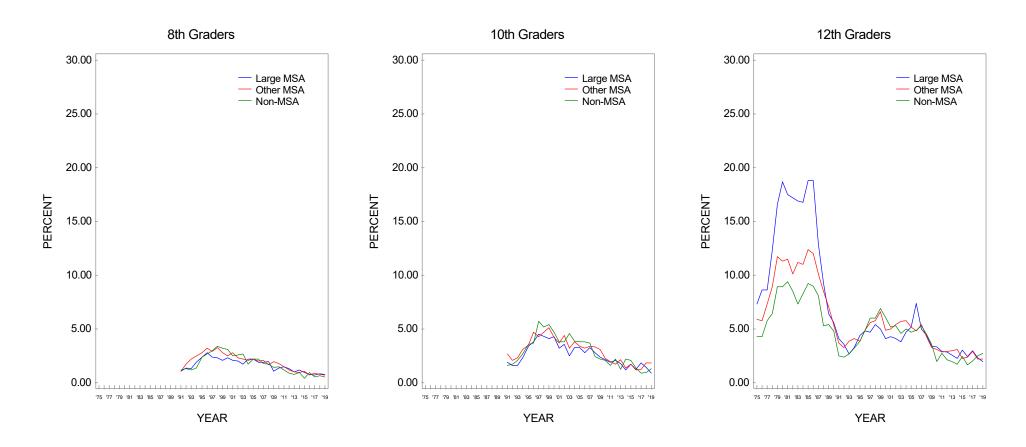
^{*}Cocaine in any form.

FIGURE 81
Cocaine*: Trends in Annual Prevalence by Region



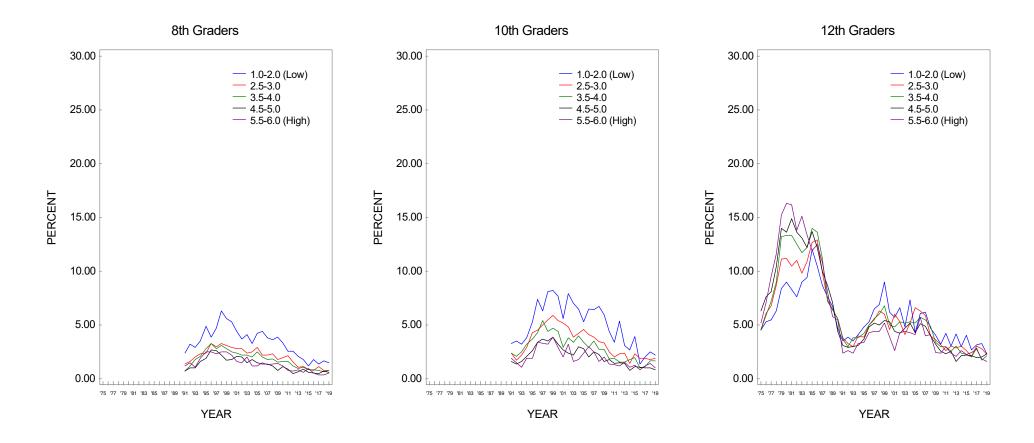
Source. The Monitoring the Future study, the University of Michigan. *Cocaine in any form.

FIGURE 82
Cocaine*: Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan. *Cocaine in any form.

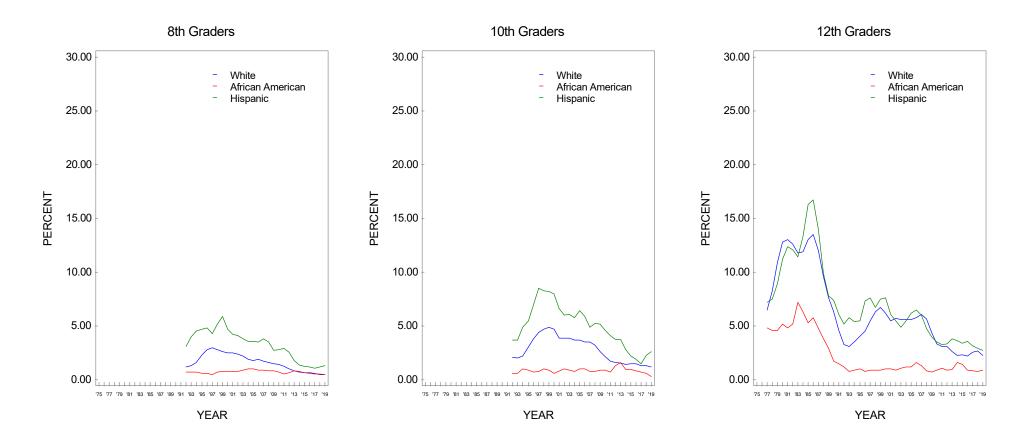
FIGURE 83
Cocaine*: Trends in Annual Prevalence by Average Education Level of Parents**



^{*}Cocaine in any form.

^{**}Parental education is an average score of mother's education and father's education.

FIGURE 84
Cocaine*: Trends in Annual Prevalence by Race/Ethnicity**



^{*}Cocaine in any form.

^{**}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 85 Crack: Trends in Annual Prevalence by Gender

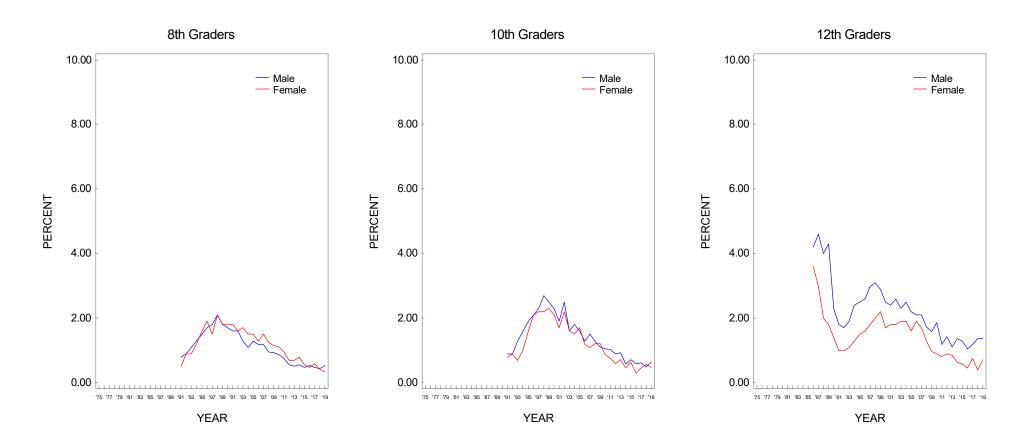


FIGURE 86 Crack: Trends in Annual Prevalence by College Plans

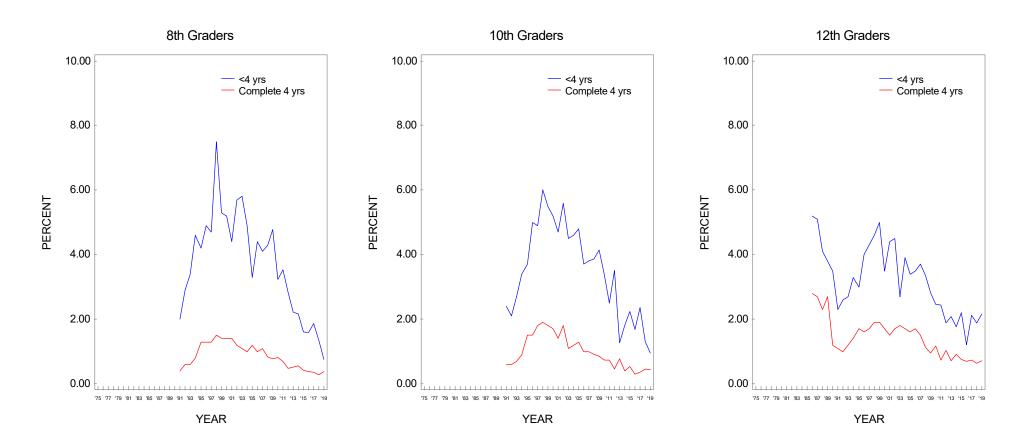


FIGURE 87 Crack: Trends in Annual Prevalence by Region

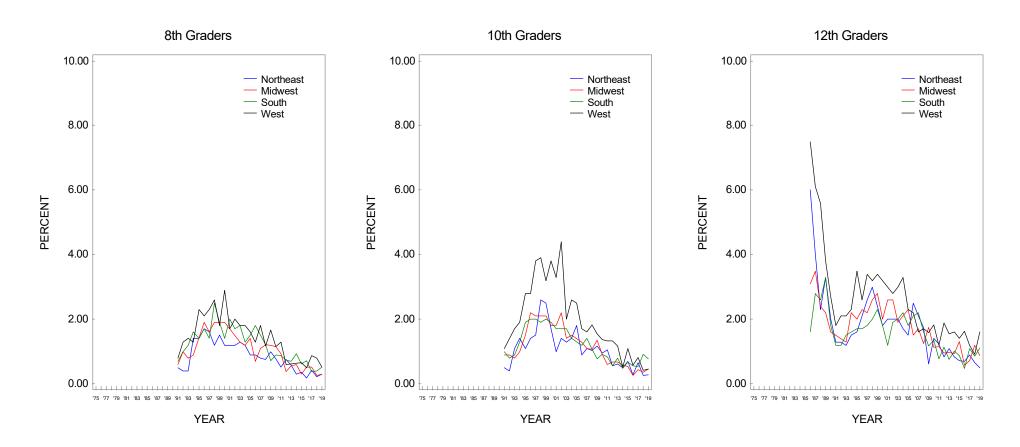


FIGURE 88
Crack: Trends in Annual Prevalence by Population Density

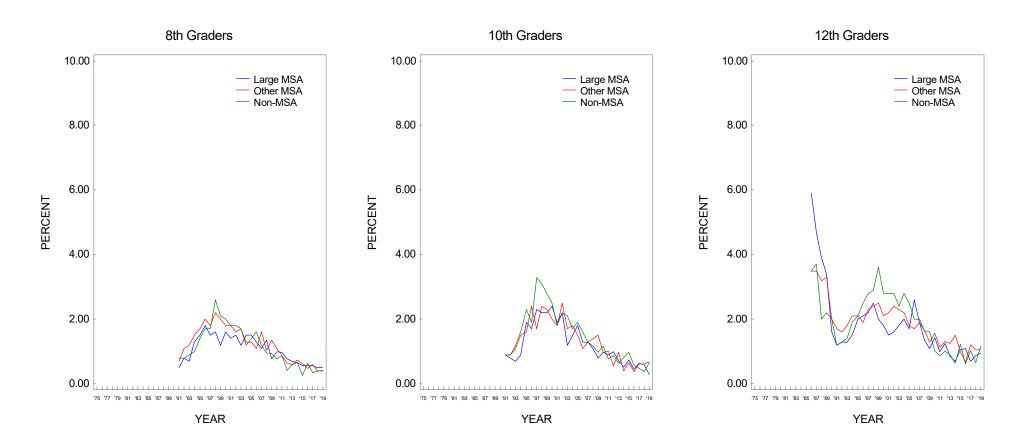
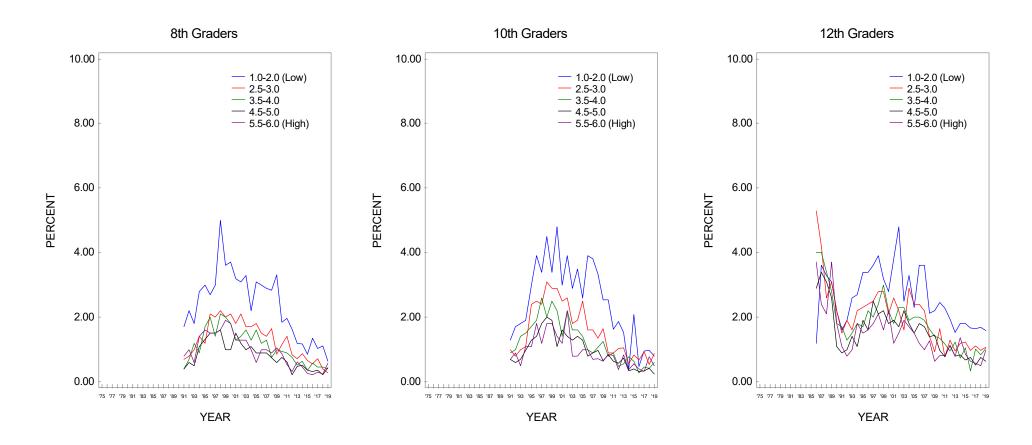
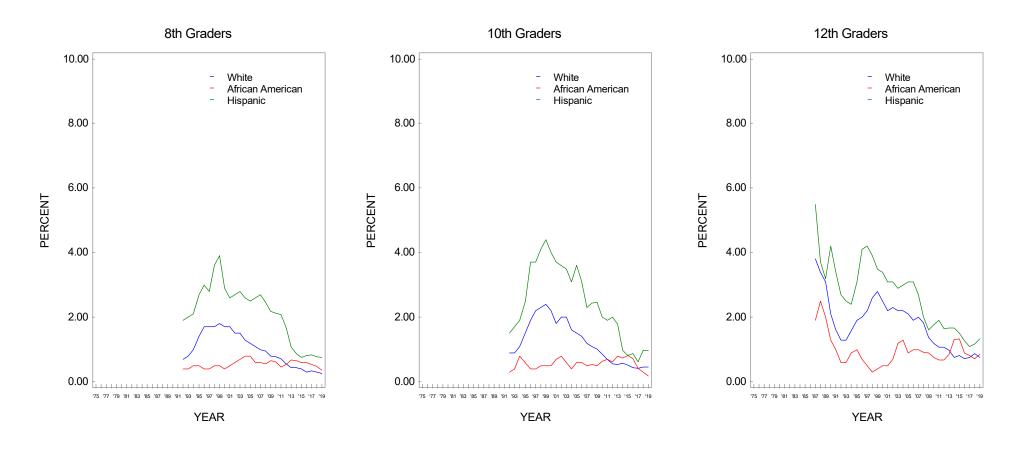


FIGURE 89
Crack: Trends in Annual Prevalence by Average Education Level of Parents*



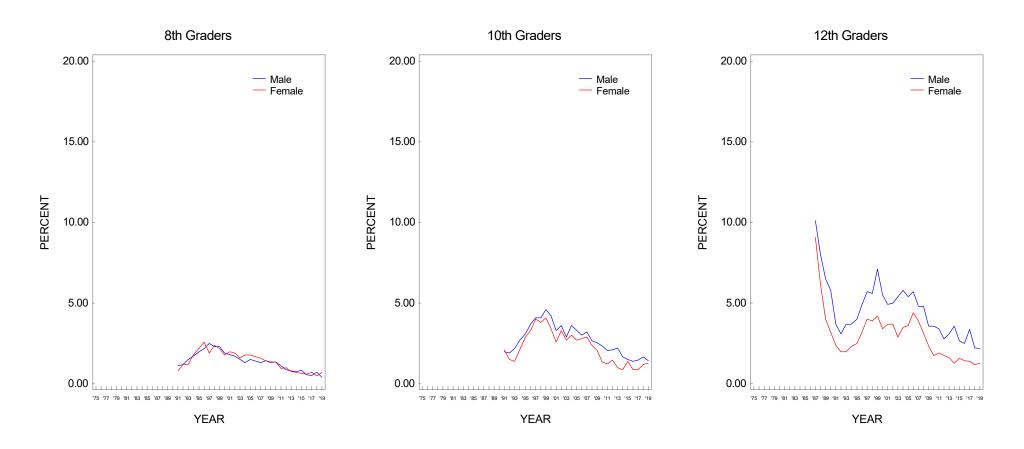
^{*}Parental education is an average score of mother's education and father's education.

FIGURE 90 Crack: Trends in Annual Prevalence by Race/Ethnicity*



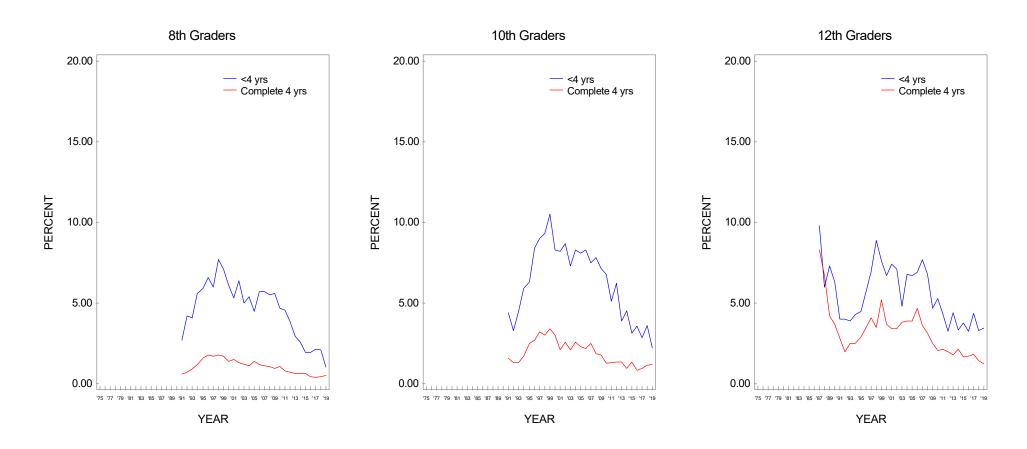
^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 91 Cocaine other than Crack*: Trends in Annual Prevalence by Gender



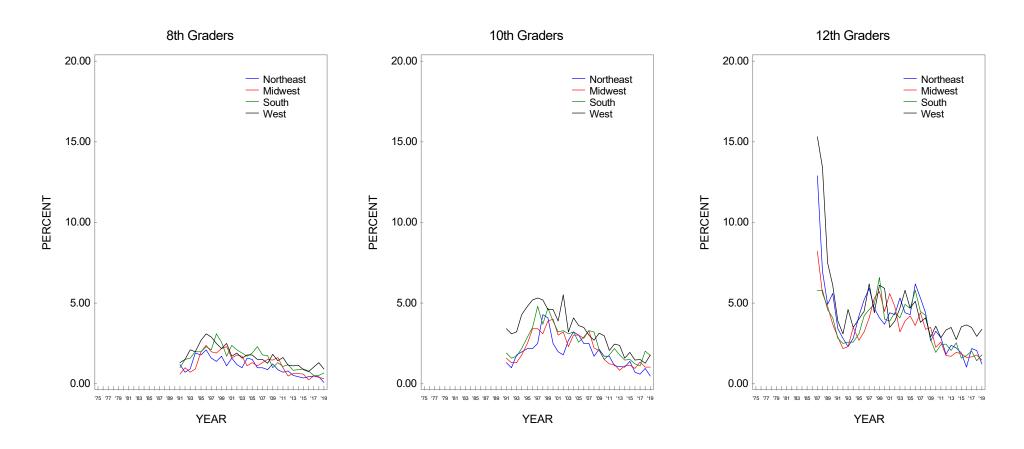
^{*}Almost entirely powder cocaine for many years.

FIGURE 92 Cocaine other than Crack*: Trends in Annual Prevalence by College Plans



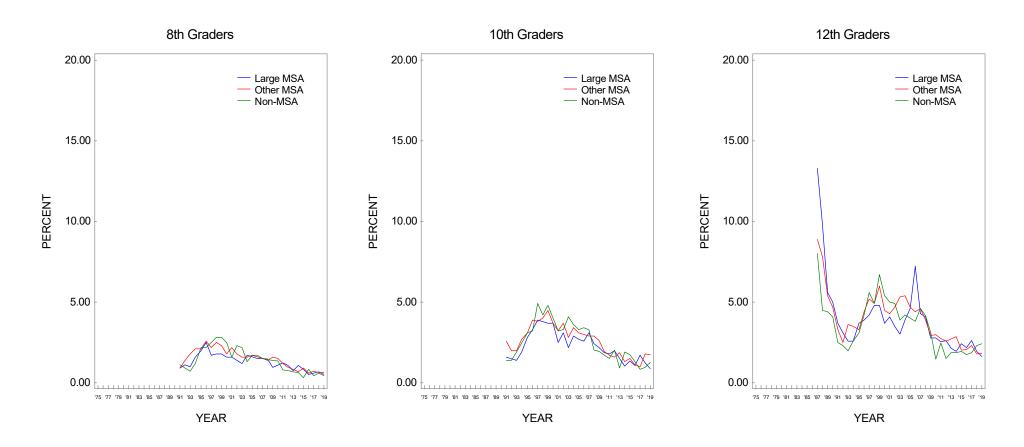
^{*}Almost entirely powder cocaine for many years.

FIGURE 93
Cocaine other than Crack*: Trends in Annual Prevalence by Region



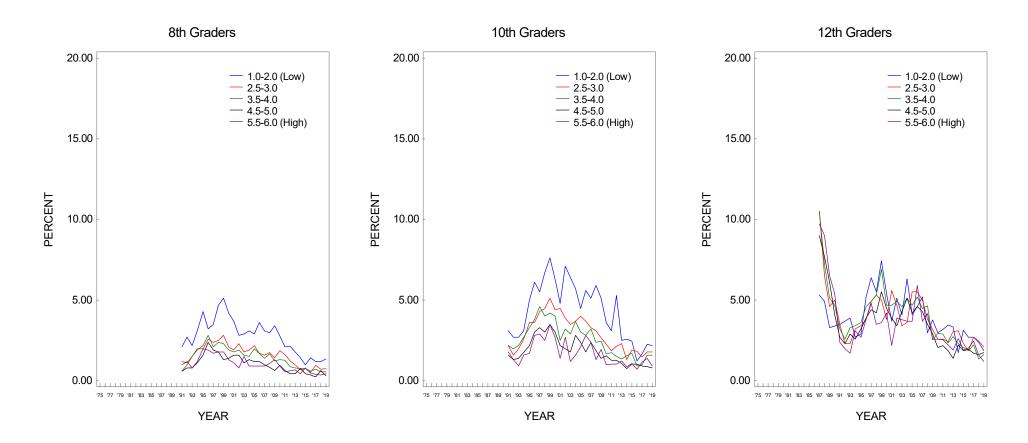
^{*}Almost entirely powder cocaine for many years.

FIGURE 94
Cocaine other than Crack*: Trends in Annual Prevalence by Population Density



^{*}Almost entirely powder cocaine for many years.

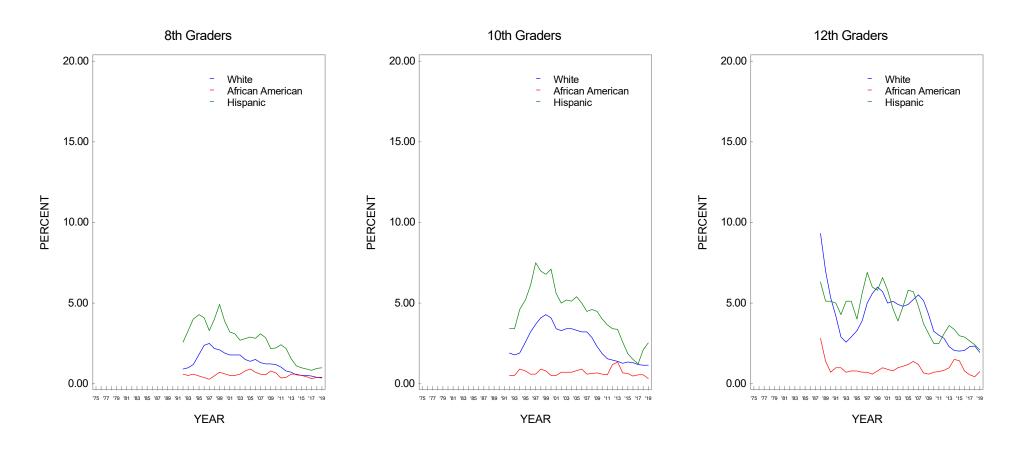
FIGURE 95
Cocaine other than Crack*: Trends in Annual Prevalence by Average Education Level of Parents**



^{*}Almost entirely powder cocaine for many years.

^{**}Parental education is an average score of mother's education and father's education.

FIGURE 96
Cocaine other than Crack*: Trends in Annual Prevalence by Race/Ethnicity**



^{*}Almost entirely powder cocaine for many years.

^{**}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 97 Heroin: Trends in Annual Prevalence by Gender

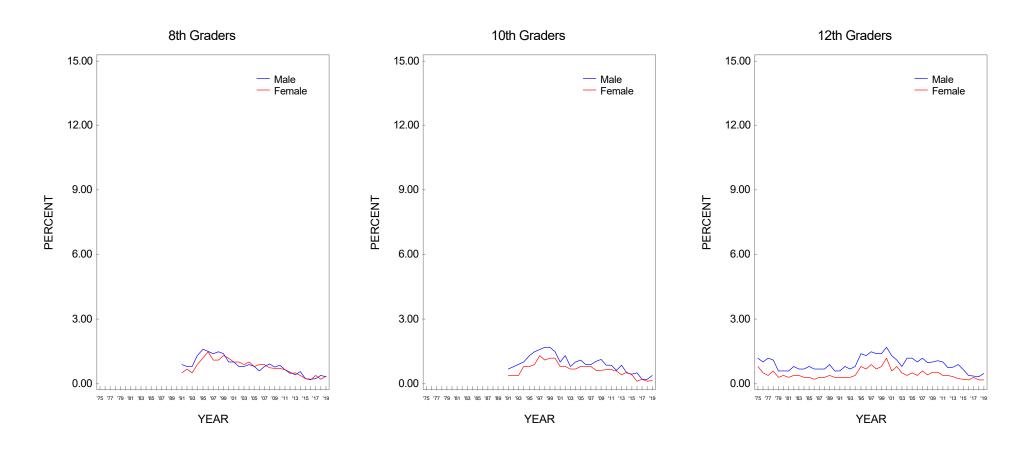


FIGURE 98
Heroin: Trends in Annual Prevalence by College Plans

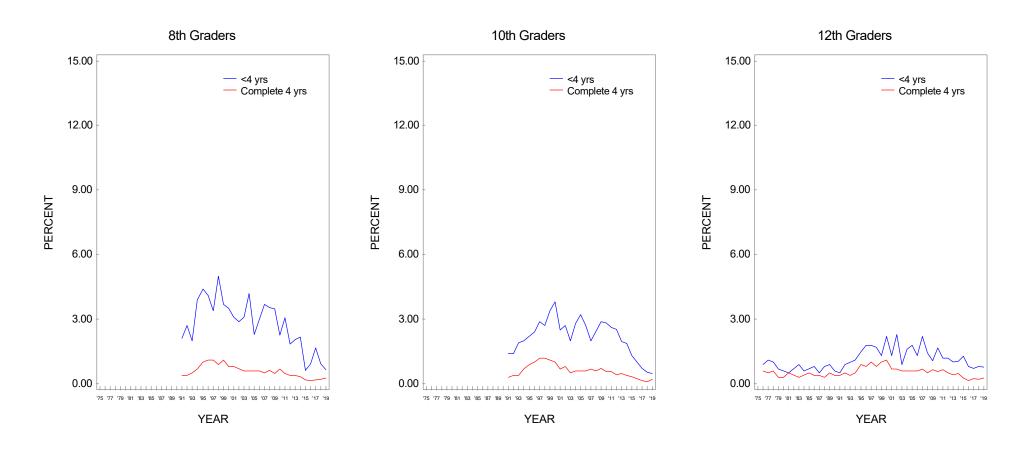


FIGURE 99 Heroin: Trends in Annual Prevalence by Region

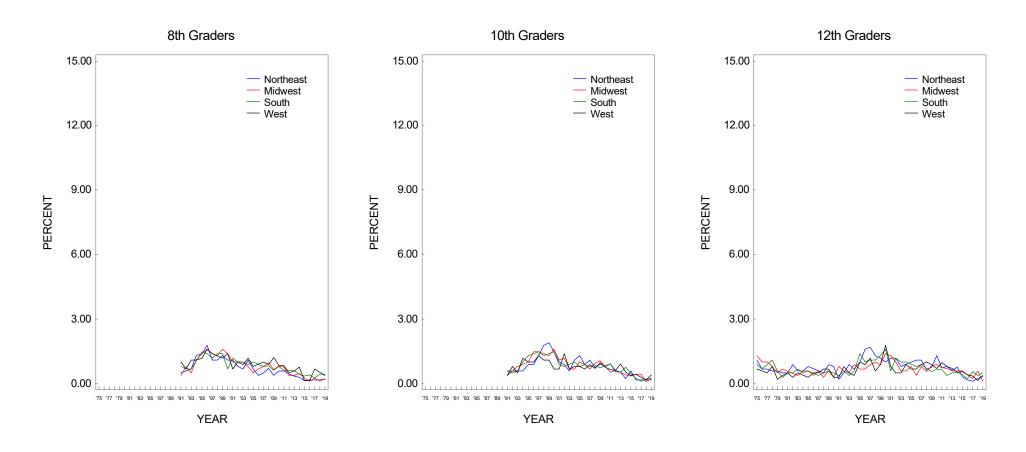


FIGURE 100
Heroin: Trends in Annual Prevalence by Population Density

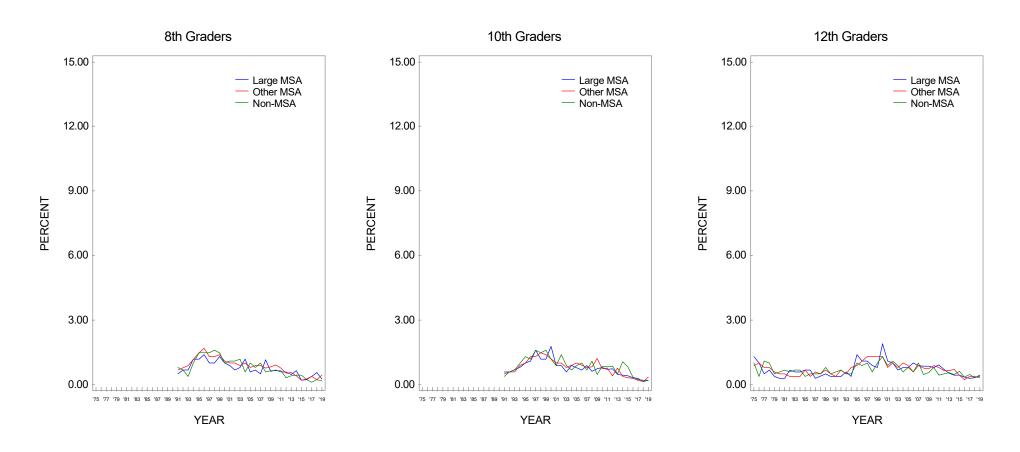
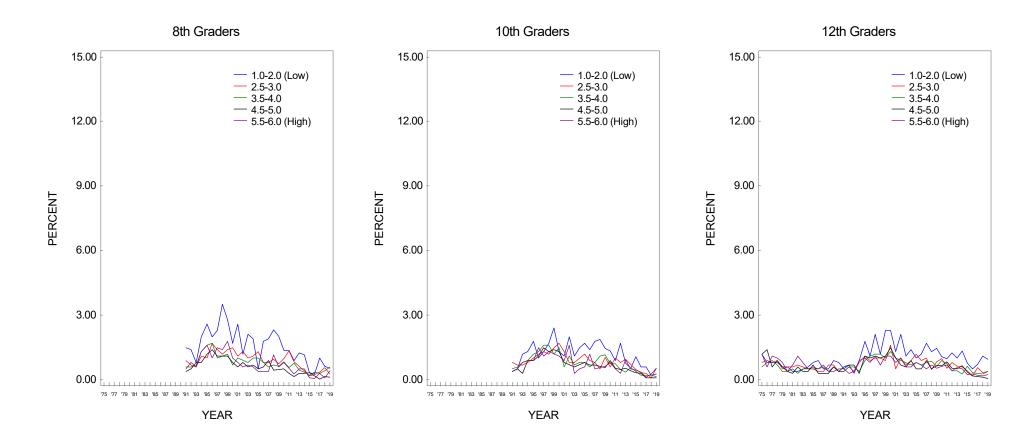
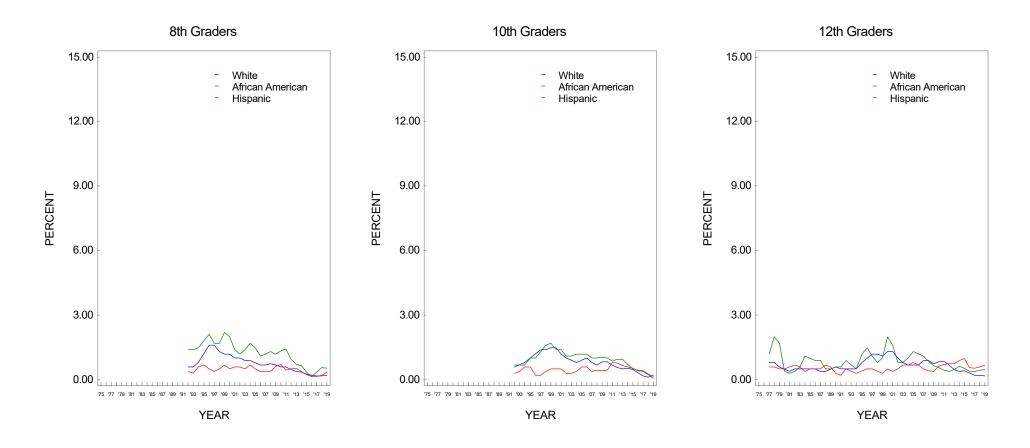


FIGURE 101
Heroin: Trends in Annual Prevalence by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 102
Heroin: Trends in Annual Prevalence by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 103
Heroin with a Needle: Trends in Annual Prevalence by Gender

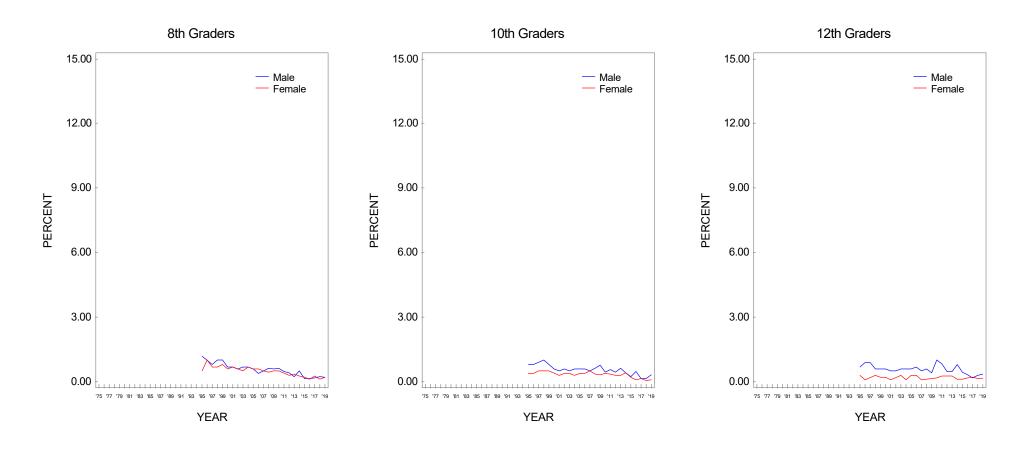


FIGURE 104
Heroin with a Needle: Trends in Annual Prevalence by College Plans

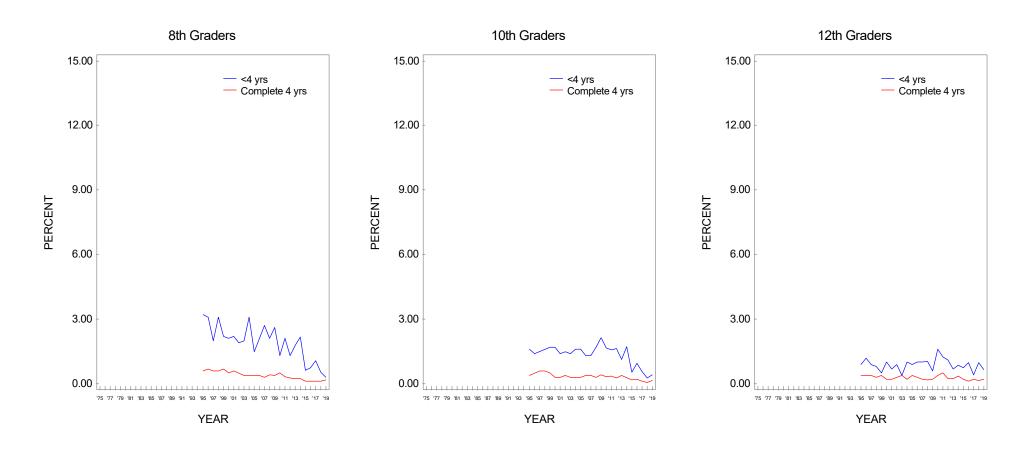


FIGURE 105
Heroin with a Needle: Trends in Annual Prevalence by Region

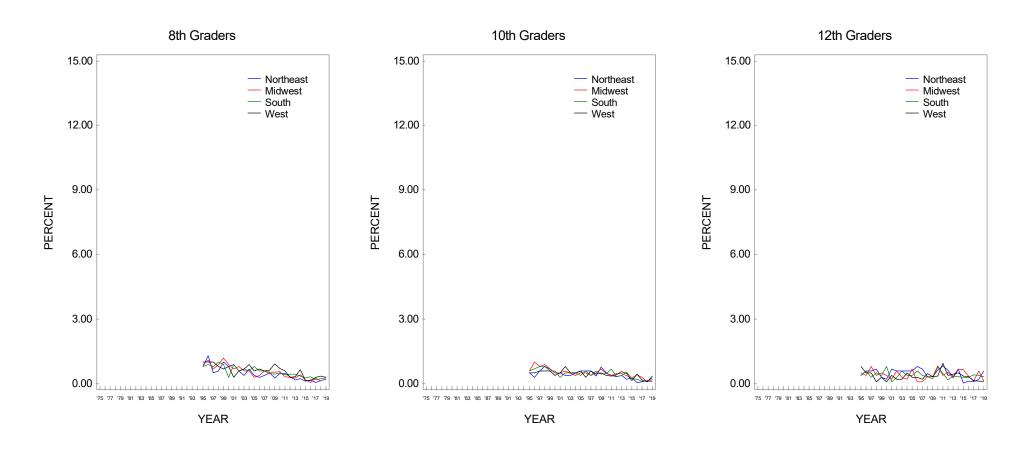


FIGURE 106
Heroin with a Needle: Trends in Annual Prevalence by Population Density

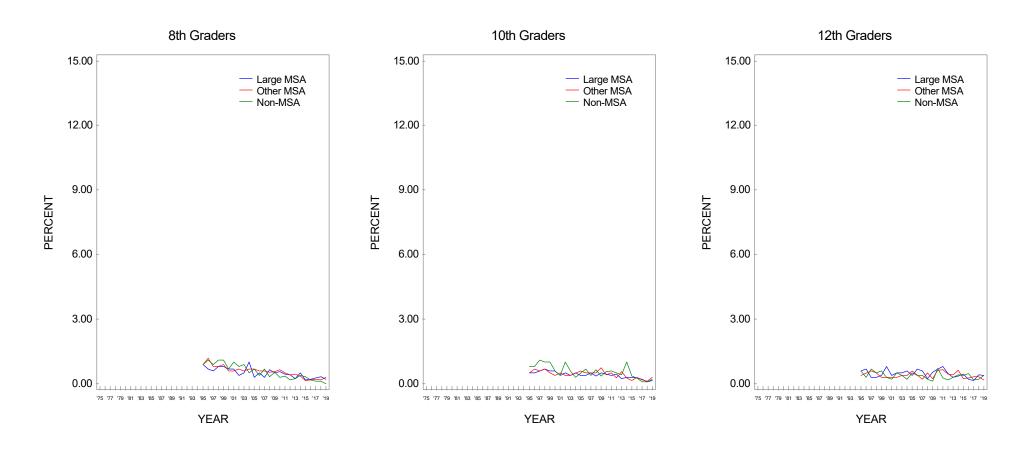
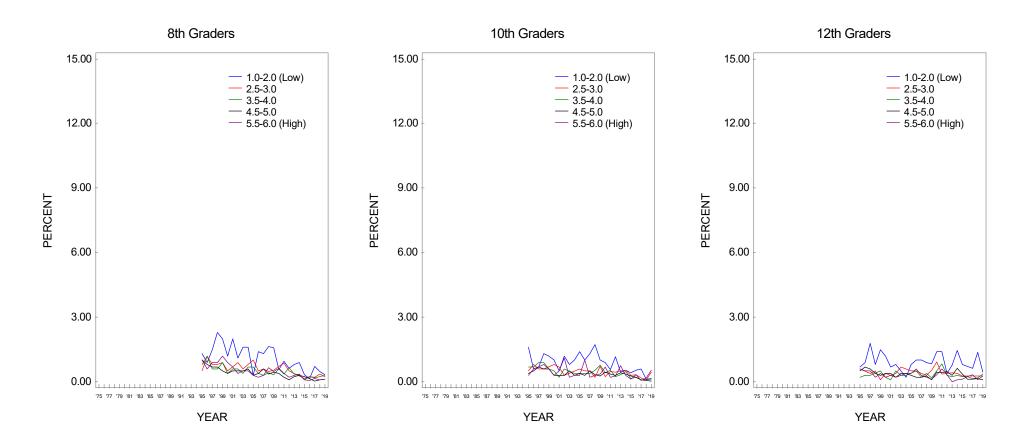
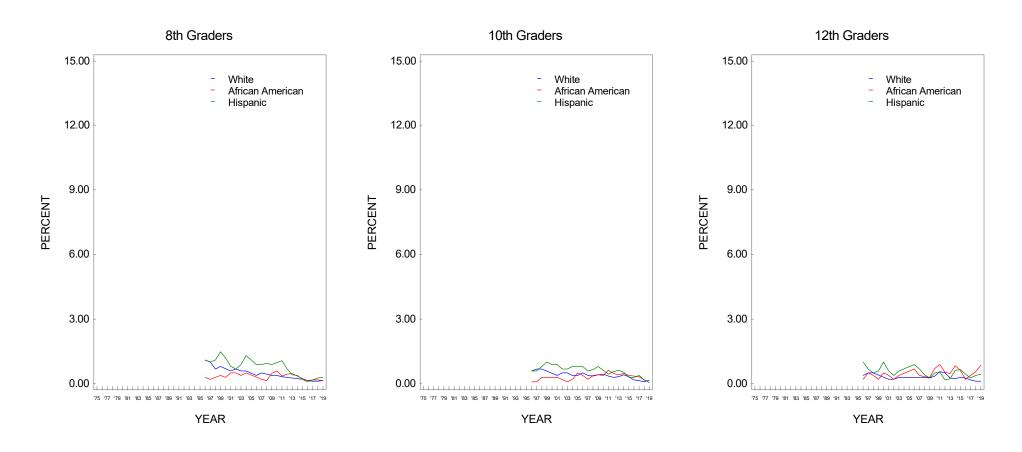


FIGURE 107
Heroin with a Needle: Trends in Annual Prevalence by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 108
Heroin with a Needle: Trends in Annual Prevalence by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 109
Heroin without a Needle: Trends in Annual Prevalence by Gender

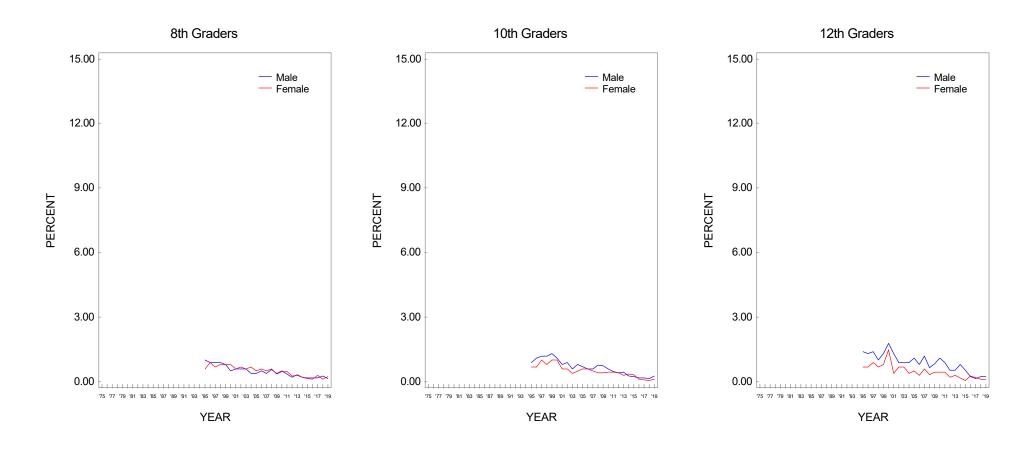


FIGURE 110 Heroin without a Needle: Trends in Annual Prevalence by College Plans

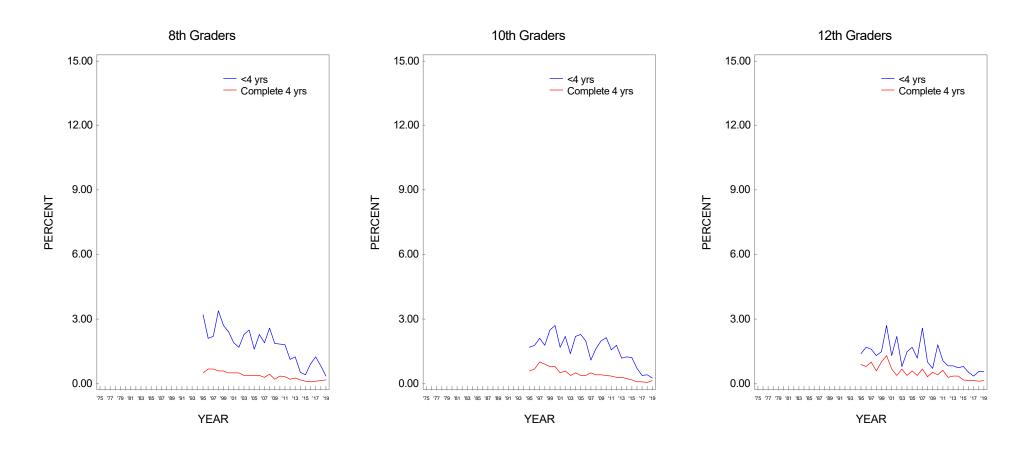


FIGURE 111 Heroin without a Needle: Trends in Annual Prevalence by Region

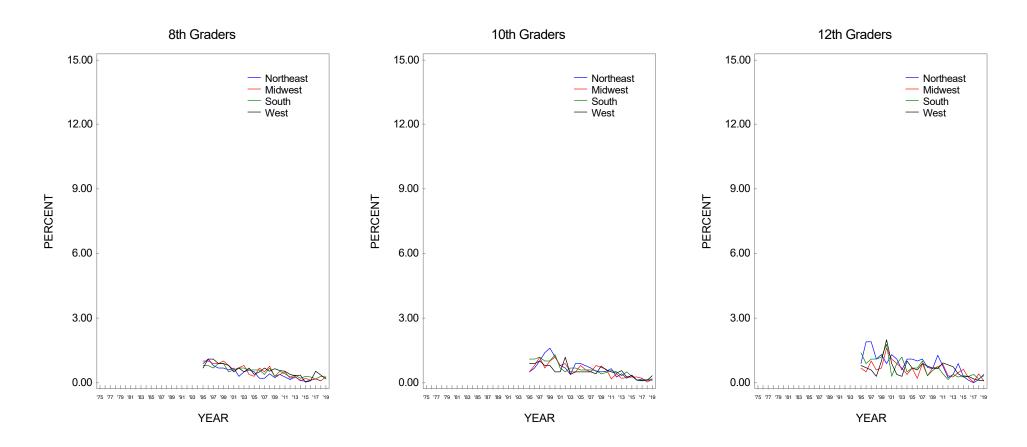


FIGURE 112
Heroin without a Needle: Trends in Annual Prevalence by Population Density

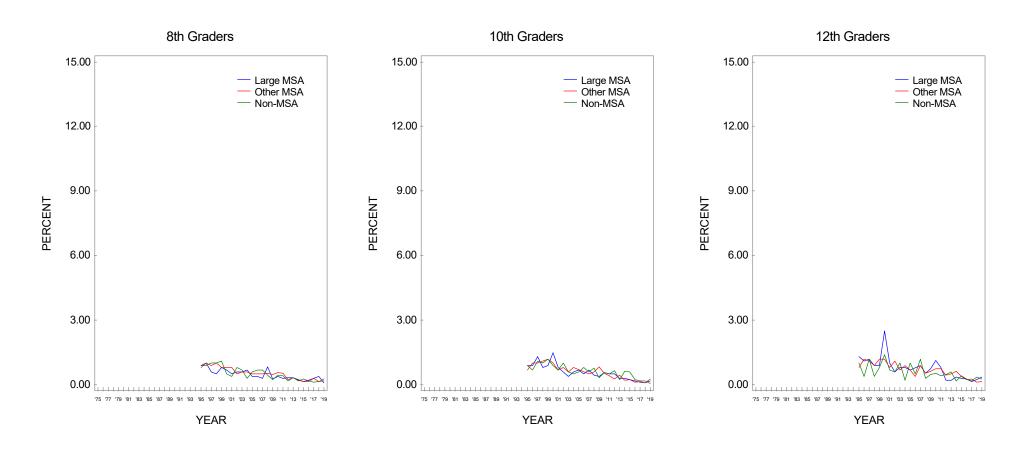
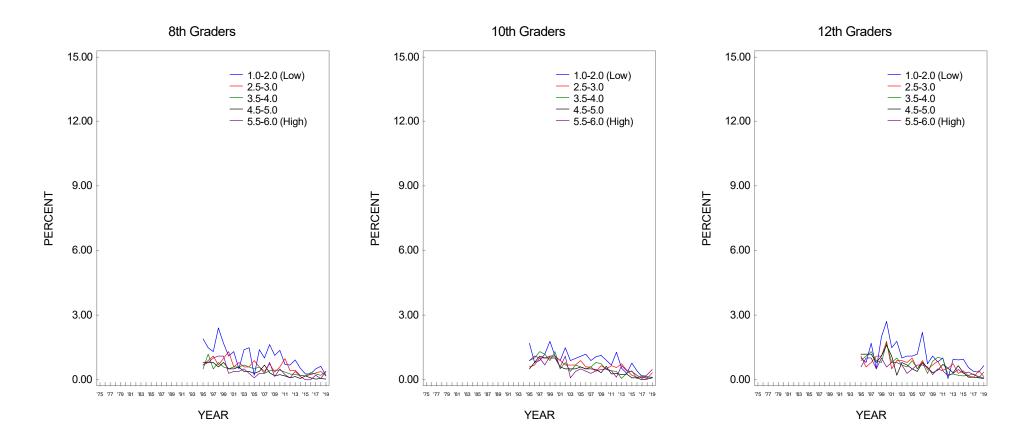
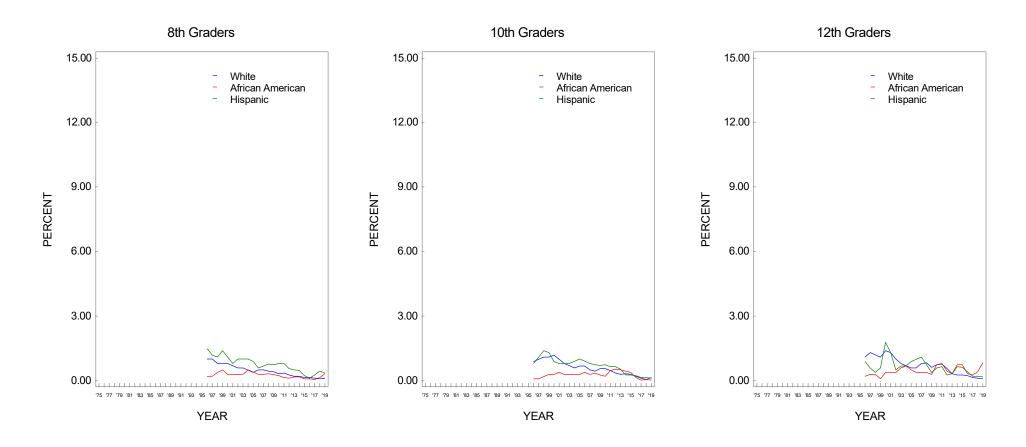


FIGURE 113
Heroin without a Needle: Trends in Annual Prevalence by Average Education Level of Parents*



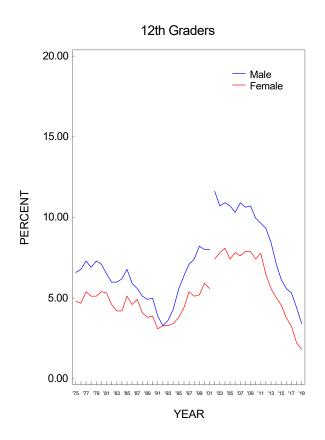
^{*}Parental education is an average score of mother's education and father's education.

FIGURE 114
Heroin without a Needle: Trends in Annual Prevalence by Race/Ethnicity*



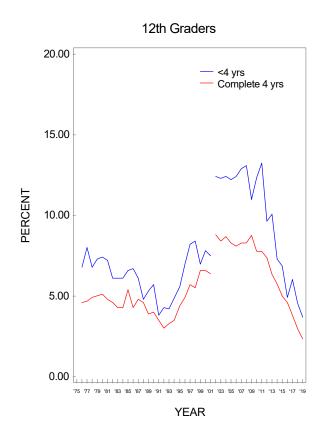
^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 115 Narcotics other than Heroin:* Trends in Annual Prevalence by Gender



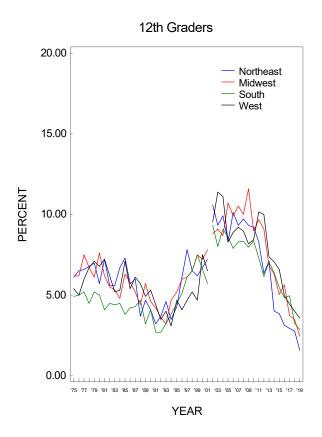
^{*}Beginning in 2002, a revised set of questions on use of narcotics other than heroin was introduced. Talwin, laudanum, and paregoric were replaced with Vicodin, OxyContin, and Percocet.

FIGURE 116 Narcotics other than Heroin:* Trends in Annual Prevalence by College Plans



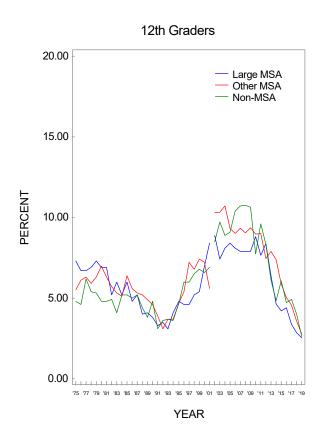
^{*}Beginning in 2002, a revised set of questions on use of narcotics other than heroin was introduced. Talwin, laudanum, and paregoric were replaced with Vicodin, OxyContin, and Percocet.

FIGURE 117 Narcotics other than Heroin:* Trends in Annual Prevalence by Region



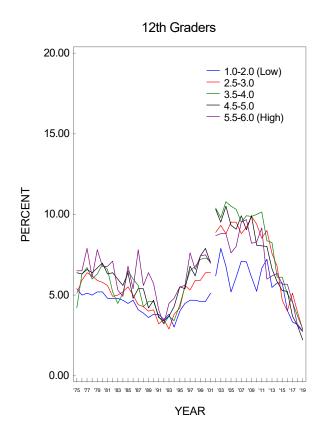
^{*}Beginning in 2002, a revised set of questions on use of narcotics other than heroin was introduced. Talwin, laudanum, and paregoric were replaced with Vicodin, OxyContin, and Percocet.

FIGURE 118 Narcotics other than Heroin:* Trends in Annual Prevalence by Population Density



^{*}Beginning in 2002, a revised set of questions on use of narcotics other than heroin was introduced. Talwin, laudanum, and paregoric were replaced with Vicodin, OxyContin, and Percocet.

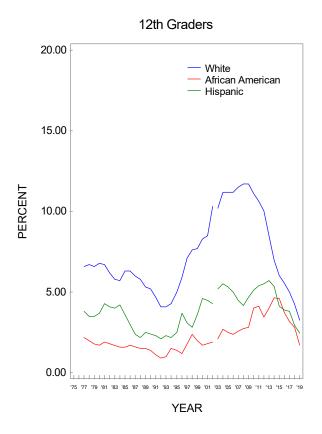
FIGURE 119
Narcotics other than Heroin:* Trends in Annual Prevalence by Average Education Level of Parents**



^{*}Beginning in 2002, a revised set of questions on use of narcotics other than heroin was introduced. Talwin, laudanum, and paregoric were replaced with Vicodin, OxyContin, and Percocet.

^{**}Parental education is an average score of mother's education and father's education.

FIGURE 120 Narcotics other than Heroin:* Trends in Annual Prevalence by Race/Ethnicity**



^{*}Beginning in 2002, a revised set of questions on use of narcotics other than heroin was introduced. Talwin, laudanum, and paregoric were replaced with Vicodin, OxyContin, and Percocet.

^{**}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 121 OxyContin: Trends in Annual Prevalence by Gender

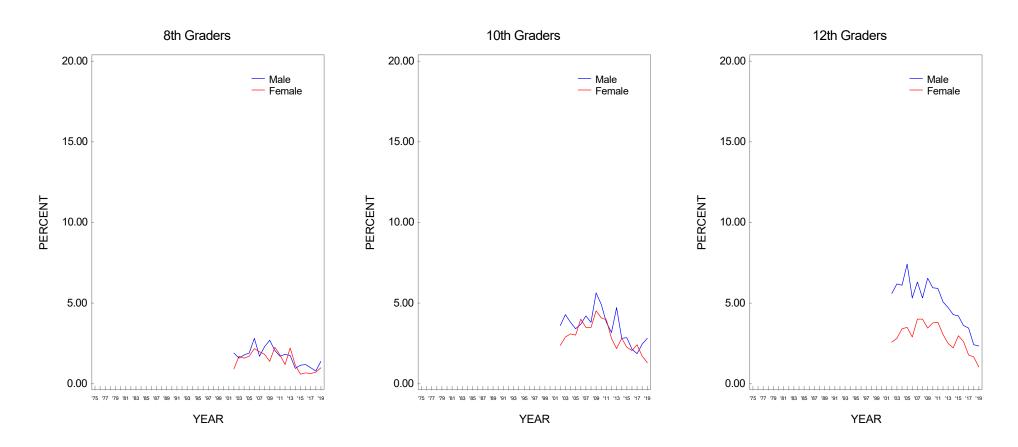


FIGURE 122 OxyContin: Trends in Annual Prevalence by College Plans

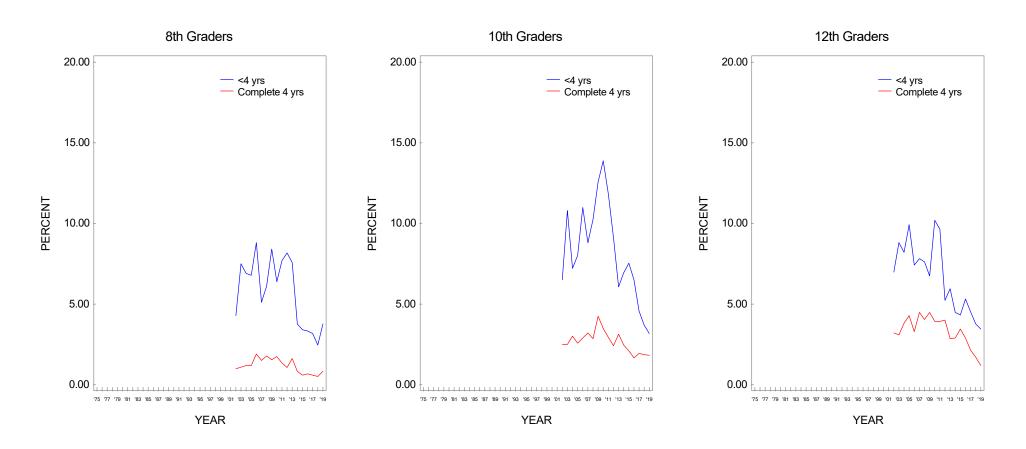


FIGURE 123
OxyContin: Trends in Annual Prevalence by Region

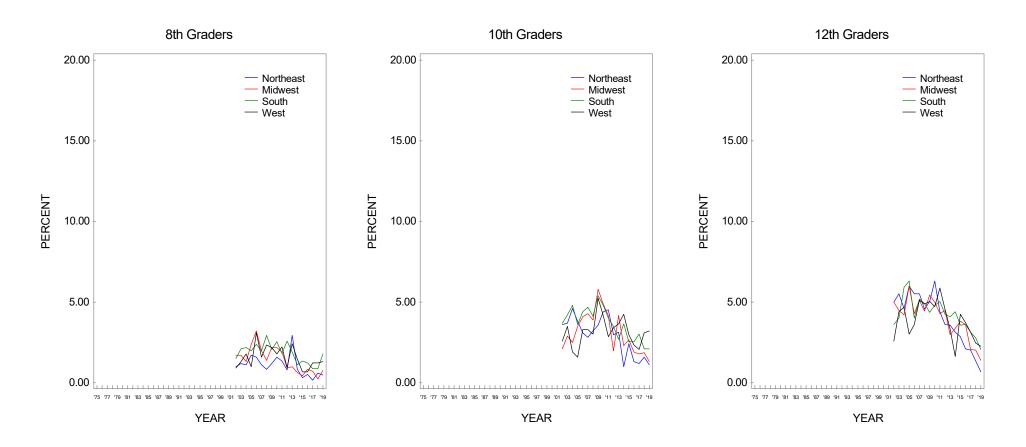


FIGURE 124
OxyContin: Trends in Annual Prevalence by Population Density

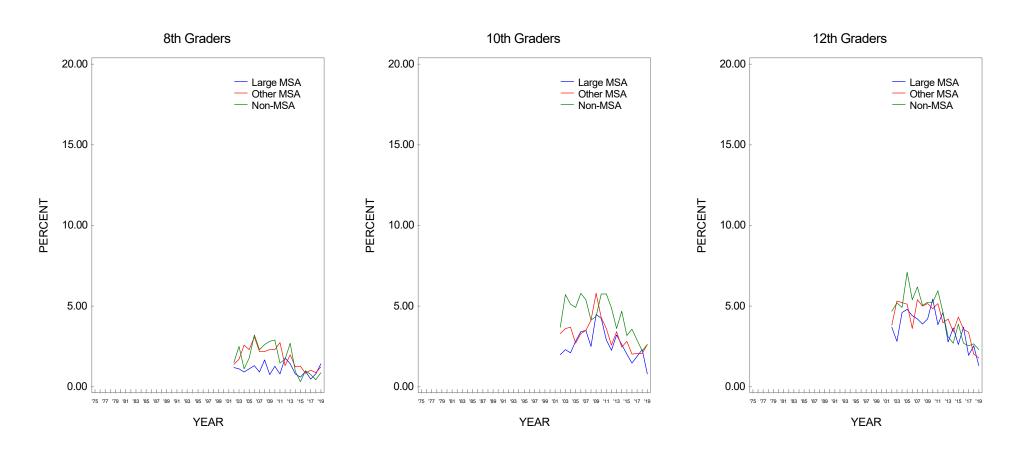
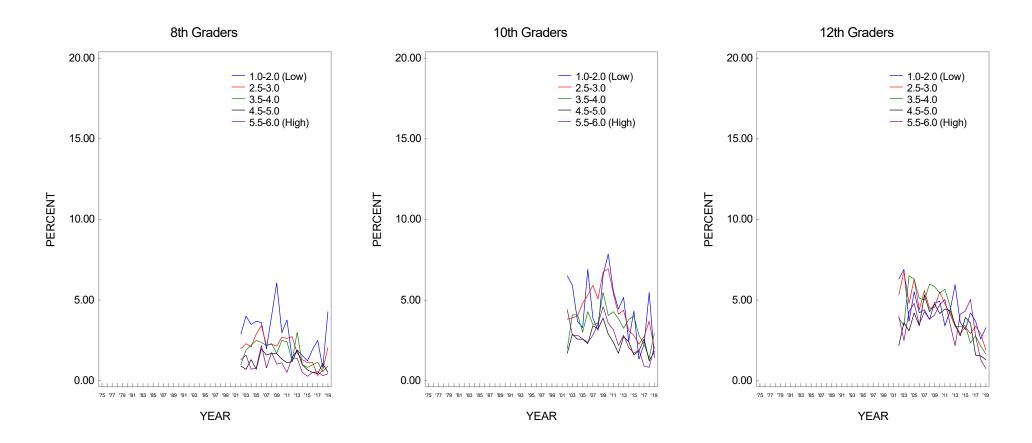
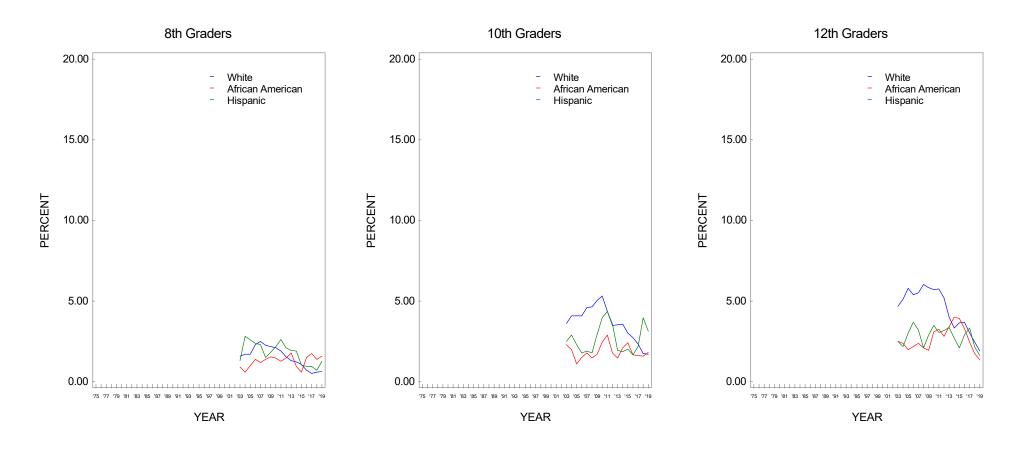


FIGURE 125
OxyContin: Trends in Annual Prevalence by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 126
OxyContin: Trends in Annual Prevalence by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 127 Vicodin: Trends in Annual Prevalence by Gender

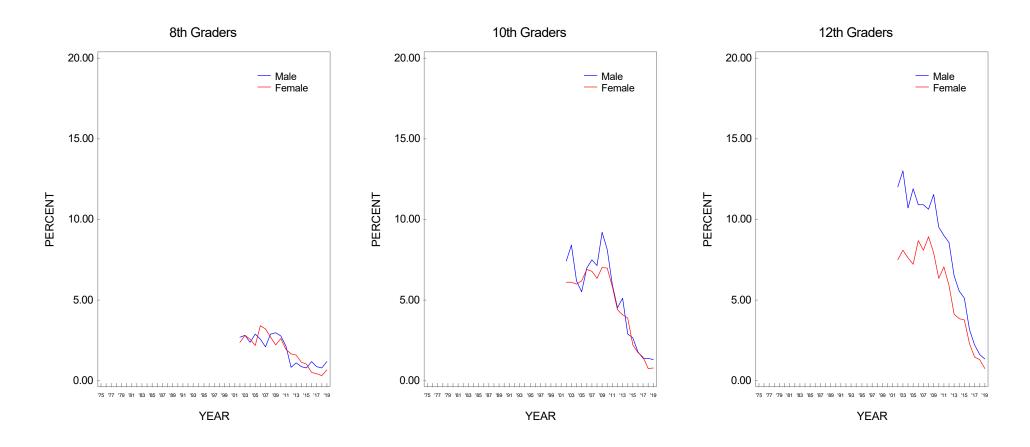


FIGURE 128
Vicodin: Trends in Annual Prevalence by College Plans

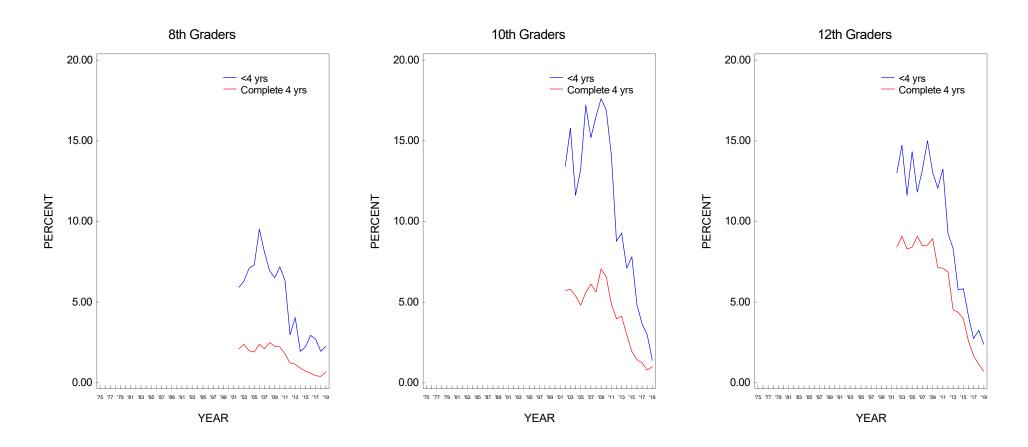


FIGURE 129 Vicodin: Trends in Annual Prevalence by Region

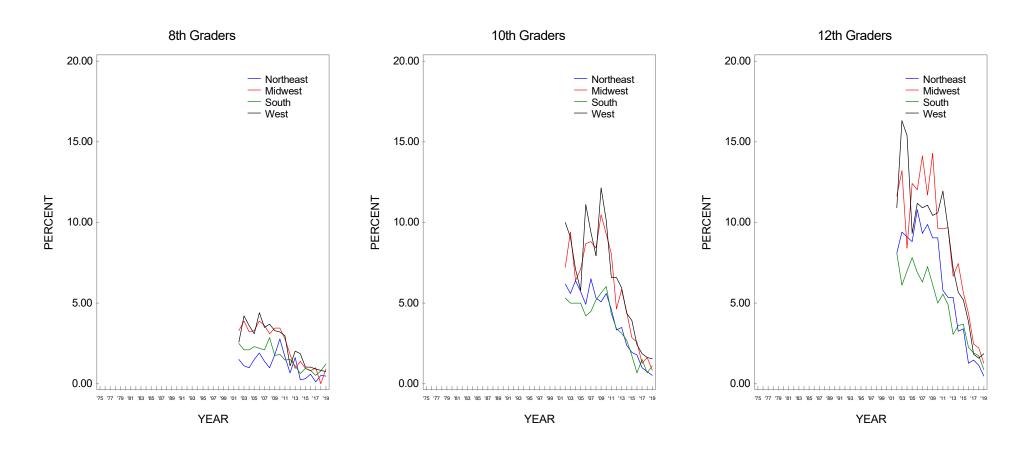


FIGURE 130
Vicodin: Trends in Annual Prevalence by Population Density

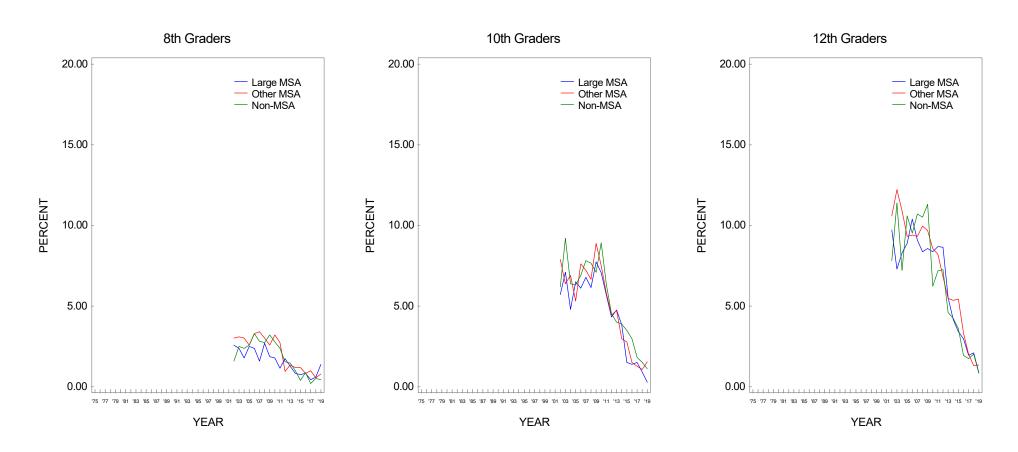
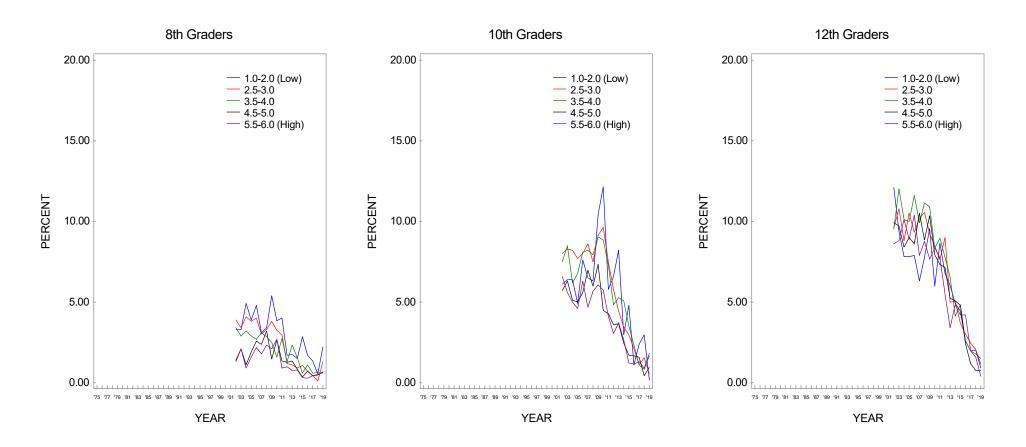
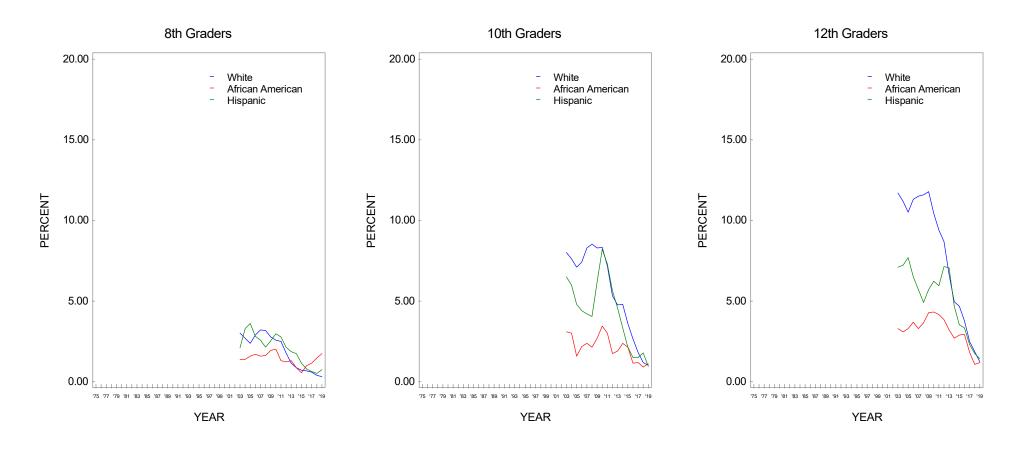


FIGURE 131
Vicodin: Trends in Annual Prevalence by Average Education Level of Parents*



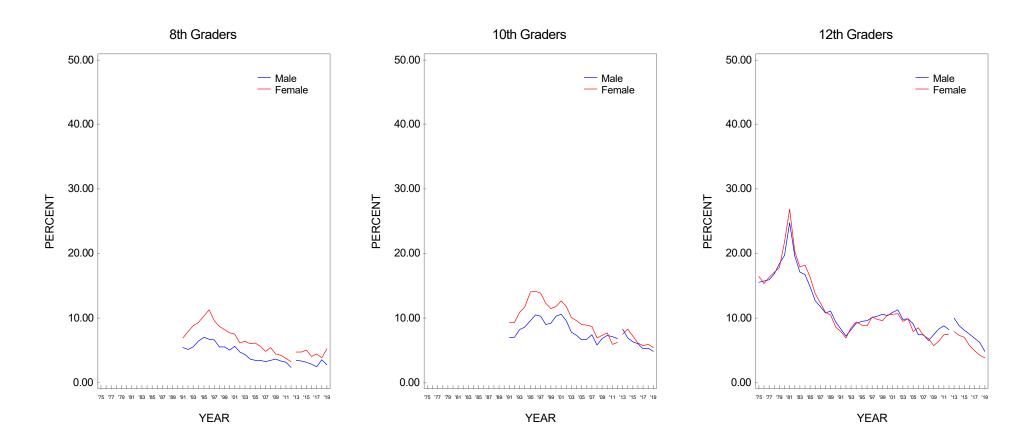
^{*}Parental education is an average score of mother's education and father's education.

FIGURE 132
Vicodin: Trends in Annual Prevalence by Race/Ethnicity*



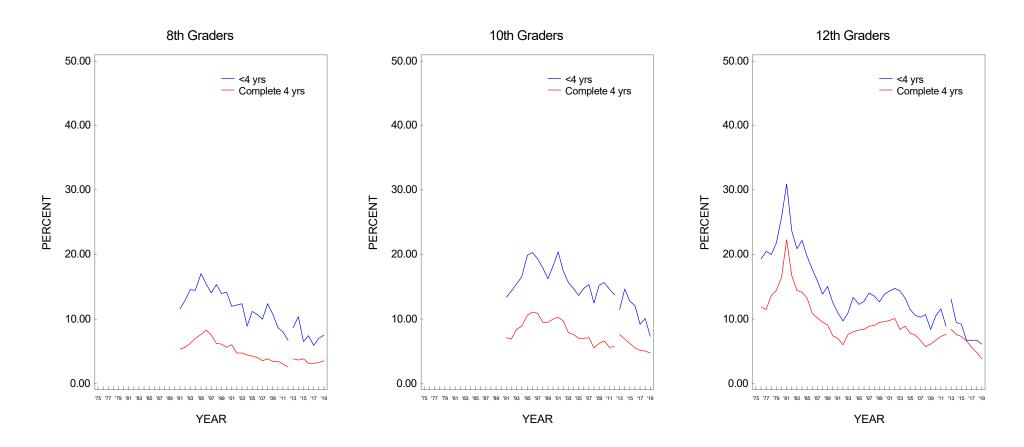
^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 133
Amphetamines:* Trends in Annual Prevalence by Gender



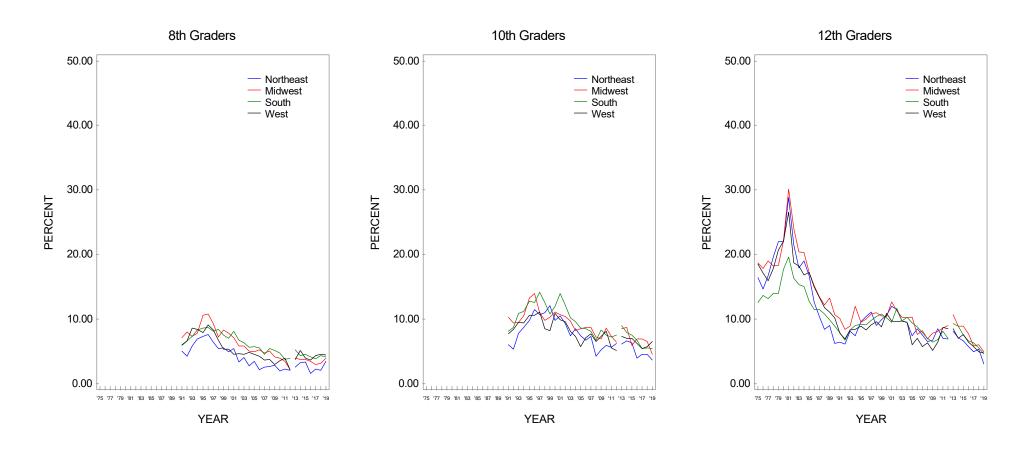
^{*}After 1982, the question about amphetamine use was revised to further clarify that nonprescription stimulants should not be included in the answers.

FIGURE 134
Amphetamines:* Trends in Annual Prevalence by College Plans



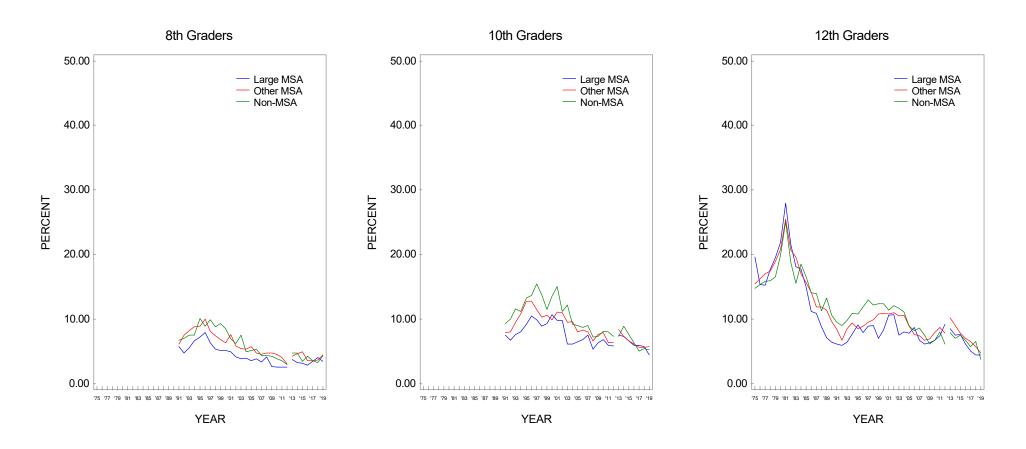
^{*}After 1982, the question about amphetamine use was revised to further clarify that nonprescription stimulants should not be included in the answers.

FIGURE 135
Amphetamines:* Trends in Annual Prevalence by Region



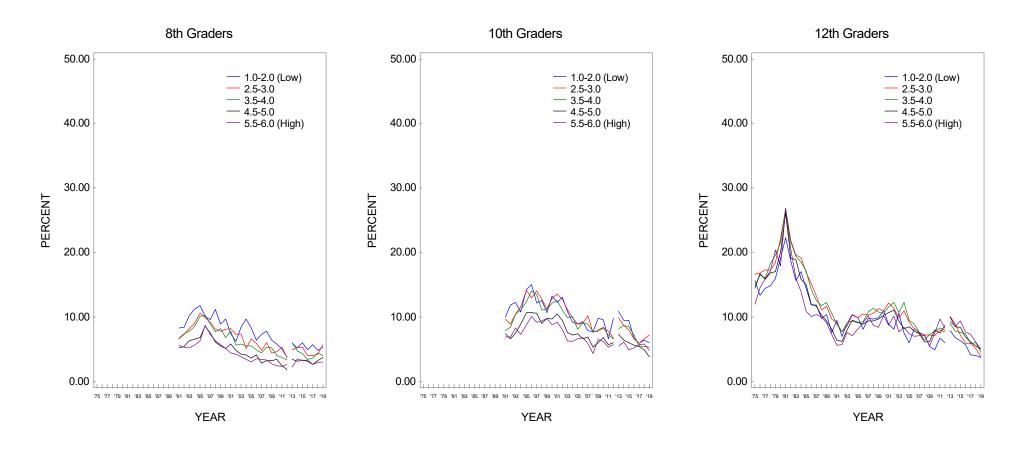
^{*}After 1982, the question about amphetamine use was revised to further clarify that nonprescription stimulants should not be included in the answers.

FIGURE 136
Amphetamines:* Trends in Annual Prevalence by Population Density



^{*}After 1982, the question about amphetamine use was revised to further clarify that nonprescription stimulants should not be included in the answers.

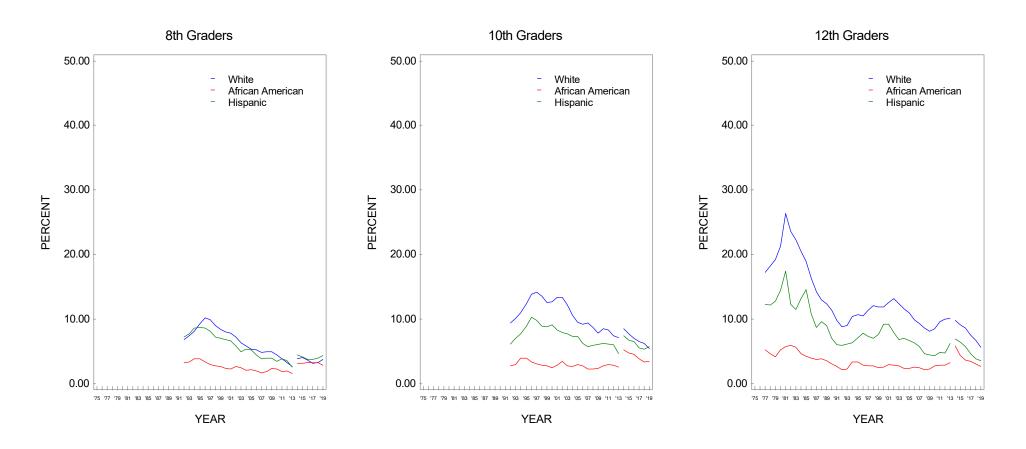
FIGURE 137
Amphetamines:* Trends in Annual Prevalence by Average Education Level of Parents**



^{*}After 1982, the question about amphetamine use was revised to further clarify that nonprescription stimulants should not be included in the answers.

^{**}Parental education is an average score of mother's education and father's education.

FIGURE 138
Amphetamines:* Trends in Annual Prevalence by Race/Ethnicity**



^{*}After 1982, the question about amphetamine use was revised to further clarify that nonprescription stimulants should not be included in the answers.

^{**}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 139
Ritalin: Trends in Annual Prevalence by Gender

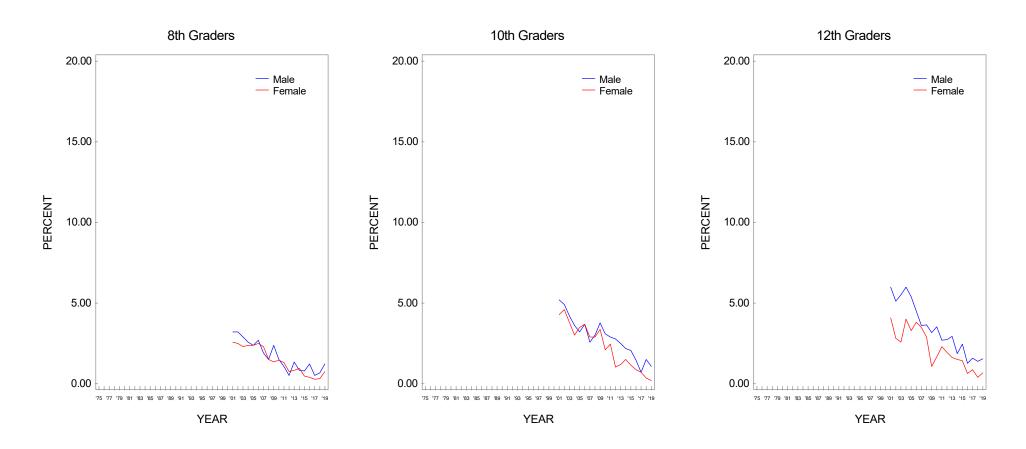


FIGURE 140
Ritalin: Trends in Annual Prevalence by College Plans

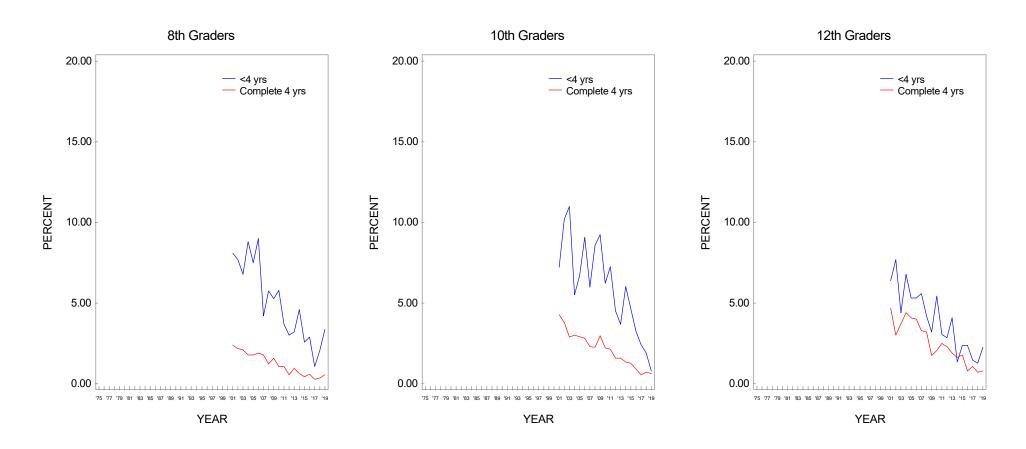


FIGURE 141 Ritalin: Trends in Annual Prevalence by Region

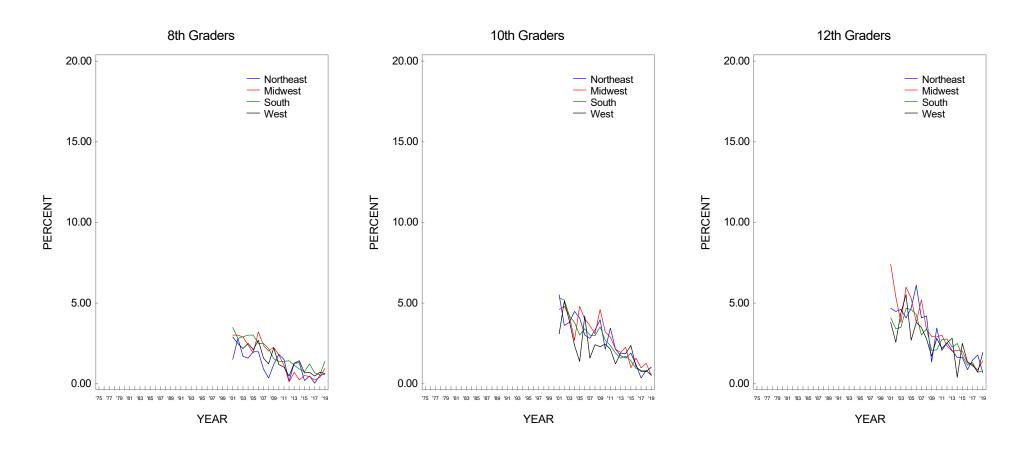


FIGURE 142
Ritalin: Trends in Annual Prevalence by Population Density

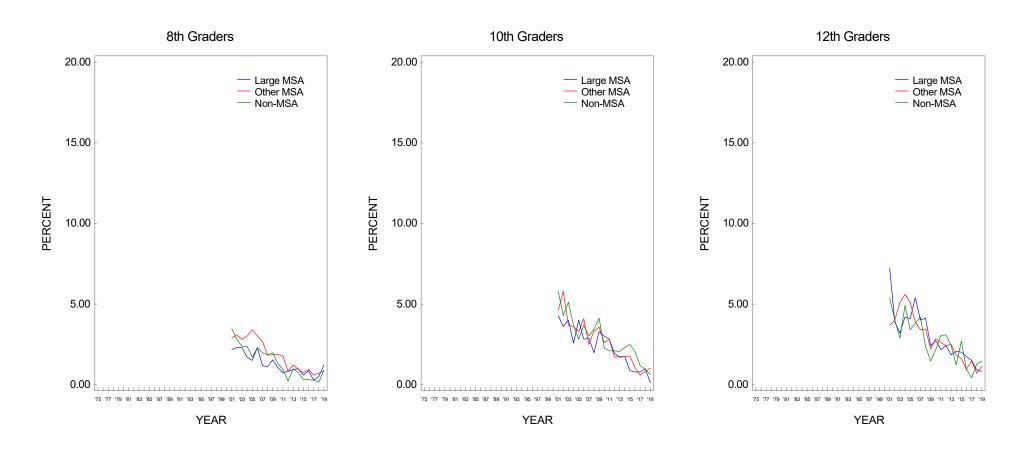
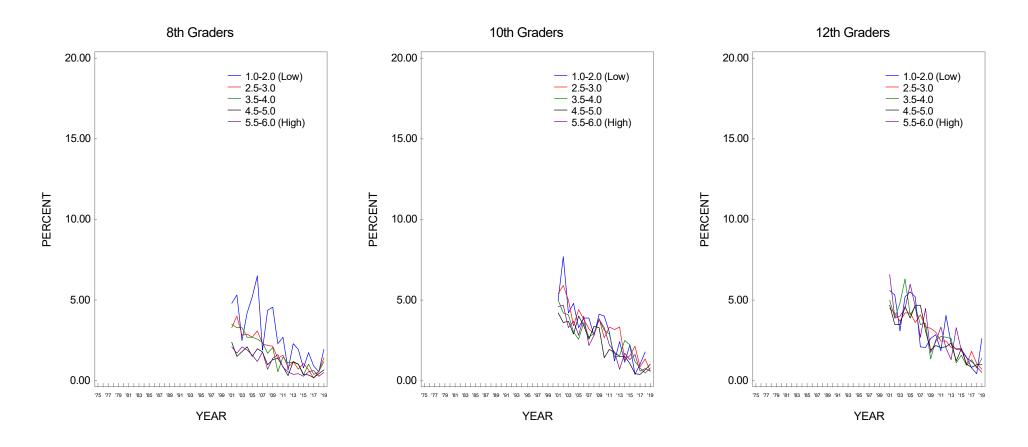
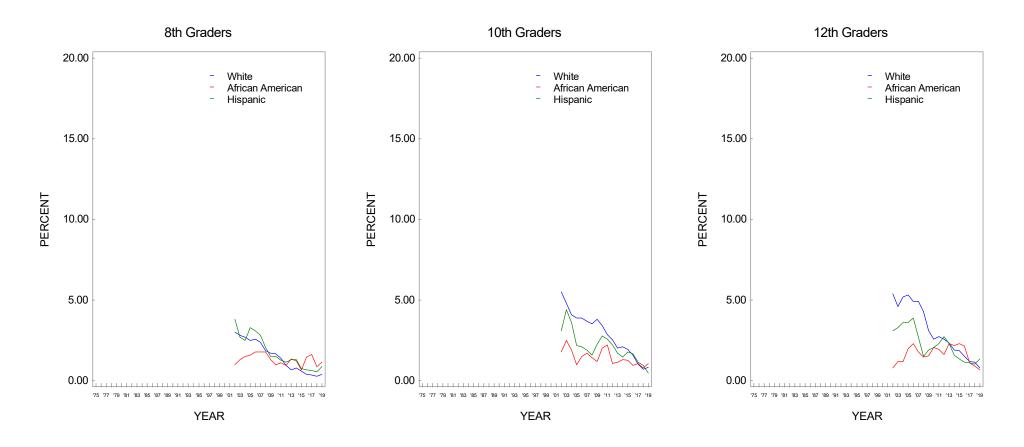


FIGURE 143
Ritalin: Trends in Annual Prevalence by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 144
Ritalin: Trends in Annual Prevalence by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 145
Adderall: Trends in Annual Prevalence by Gender

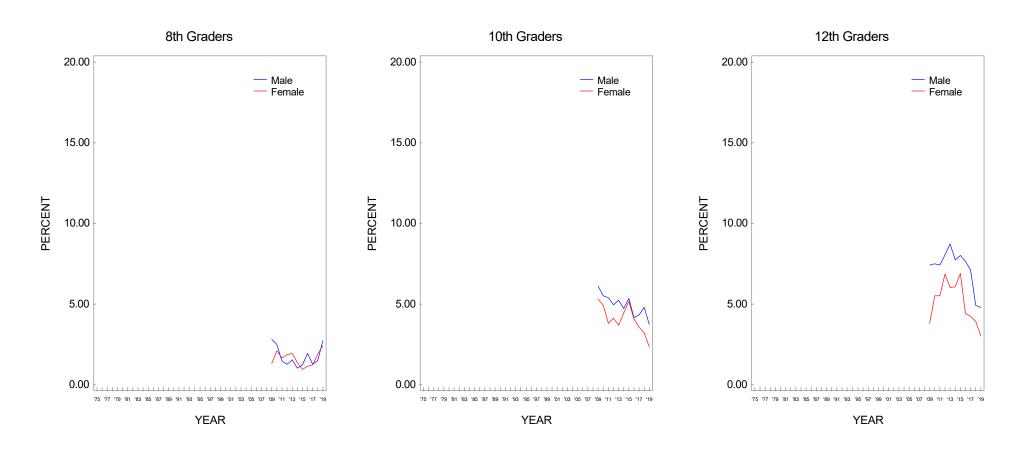


FIGURE 146 Adderall: Trends in Annual Prevalence by College Plans

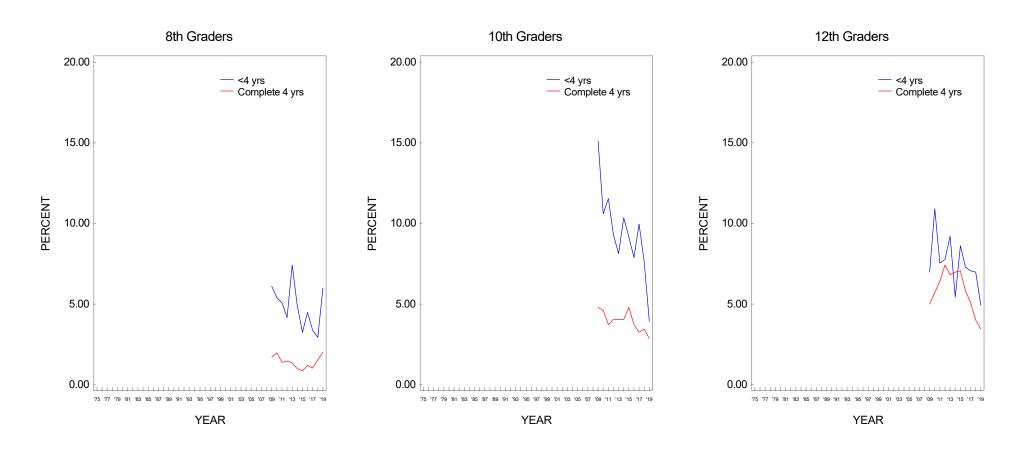


FIGURE 147 Adderall: Trends in Annual Prevalence by Region

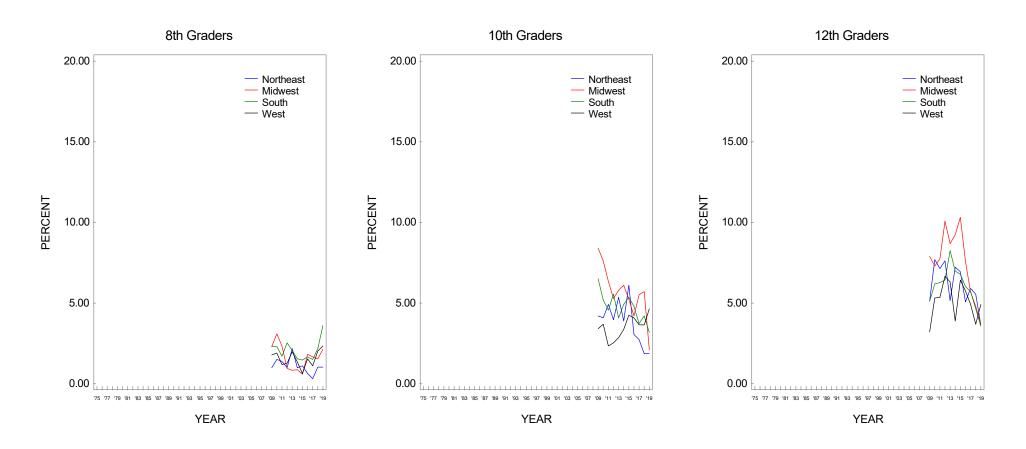


FIGURE 148
Adderall: Trends in Annual Prevalence by Population Density

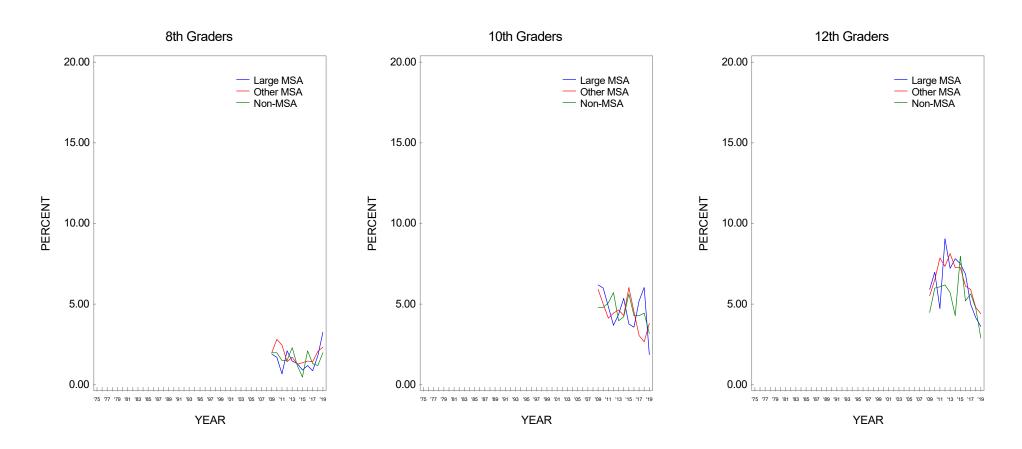
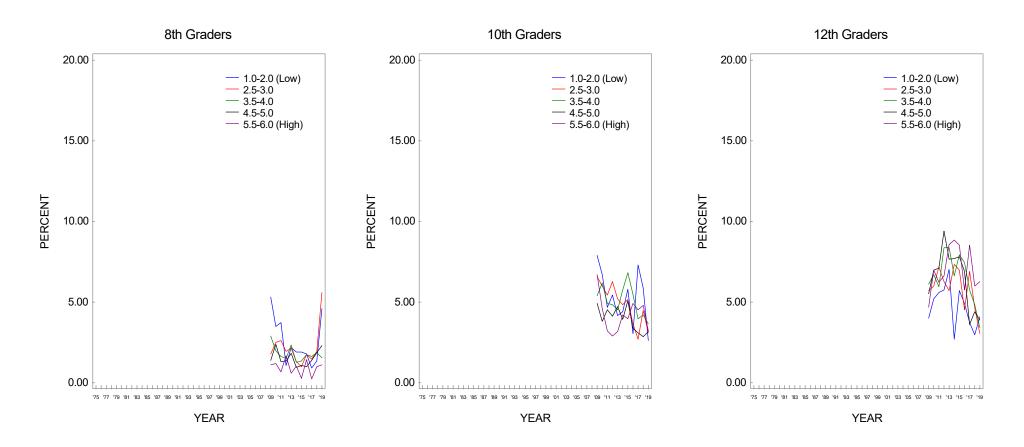
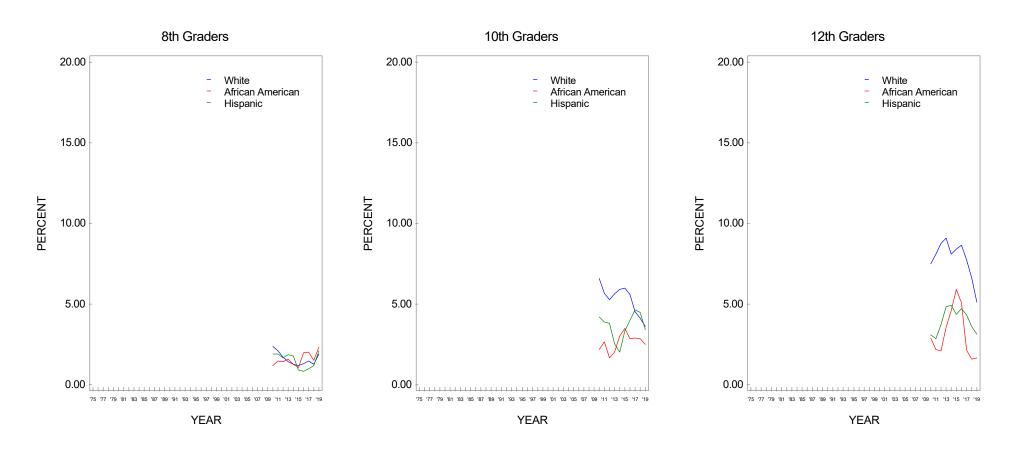


FIGURE 149
Adderall: Trends in Annual Prevalence by Average Education Level of Parents*



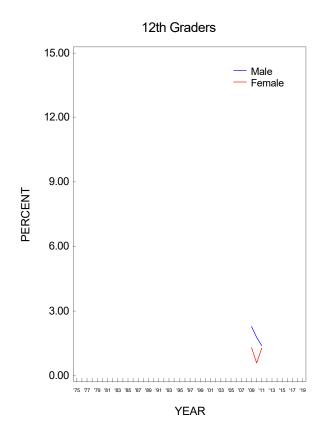
^{*}Parental education is an average score of mother's education and father's education.

FIGURE 150
Adderall: Trends in Annual Prevalence by Race/Ethnicity*



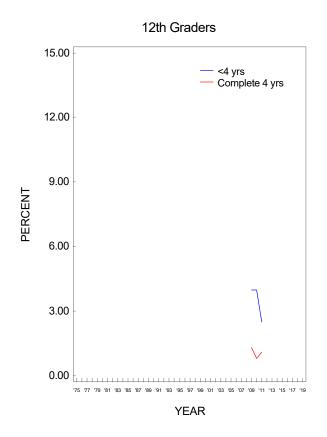
^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 151 Provigil:* Trends in Annual Prevalence by Gender



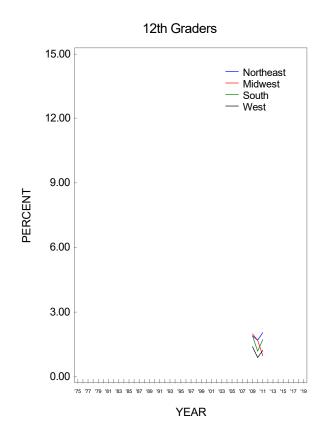
 $\label{eq:Source.} \textbf{Source}. \ \ \textbf{The Monitoring the Future study, the University of Michigan}.$

FIGURE 152 Provigil:* Trends in Annual Prevalence by College Plans



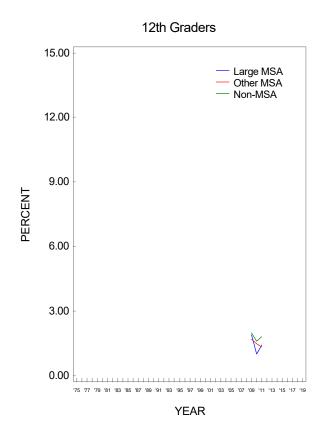
 $\label{eq:Source.} \textbf{Source}. \ \ \textbf{The Monitoring the Future study, the University of Michigan}.$

FIGURE 153 Provigil:* Trends in Annual Prevalence by Region



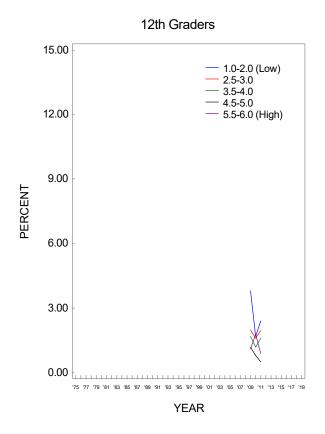
 $\label{eq:Source.} \textbf{Source.} \ \ \textbf{The Monitoring the Future study, the University of Michigan.}$

FIGURE 154
Provigil:* Trends in Annual Prevalence by Population Density



 $\label{eq:Source.} \textbf{Source}. \ \ \textbf{The Monitoring the Future study, the University of Michigan}.$

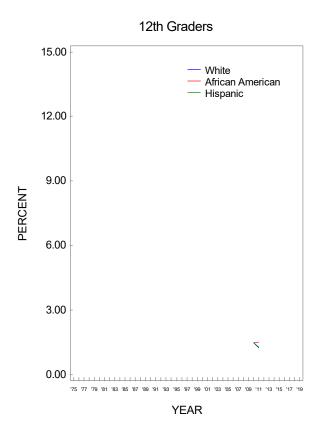
FIGURE 155
Provigil:* Trends in Annual Prevalence by Average Education Level of Parents**



^{*}Question discontinued in 2012.

^{**}Parental education is an average score of mother's education and father's education.

FIGURE 156 Provigil:* Trends in Annual Prevalence by Race/Ethnicity**



^{*}Question discontinued in 2012.

^{**}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 157
Methamphetamine: Trends in Annual Prevalence by Gender

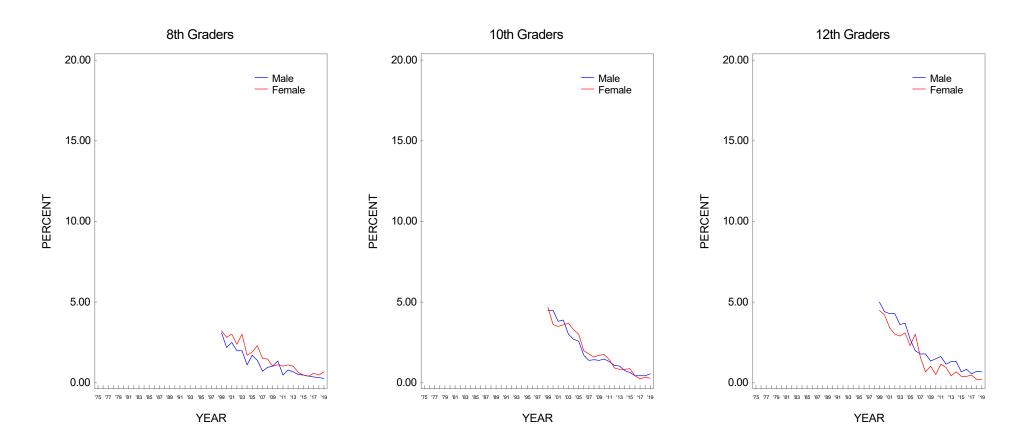


FIGURE 158
Methamphetamine: Trends in Annual Prevalence by College Plans

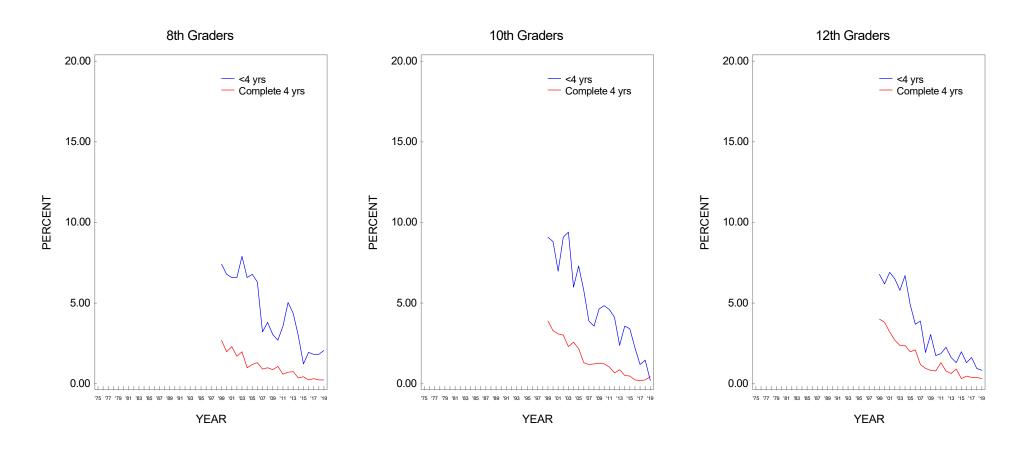


FIGURE 159
Methamphetamine: Trends in Annual Prevalence by Region

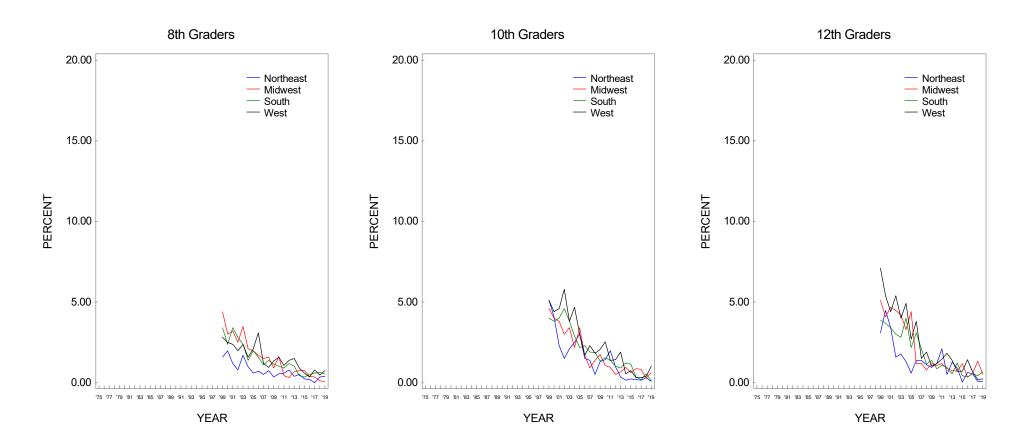


FIGURE 160
Methamphetamine: Trends in Annual Prevalence by Population Density

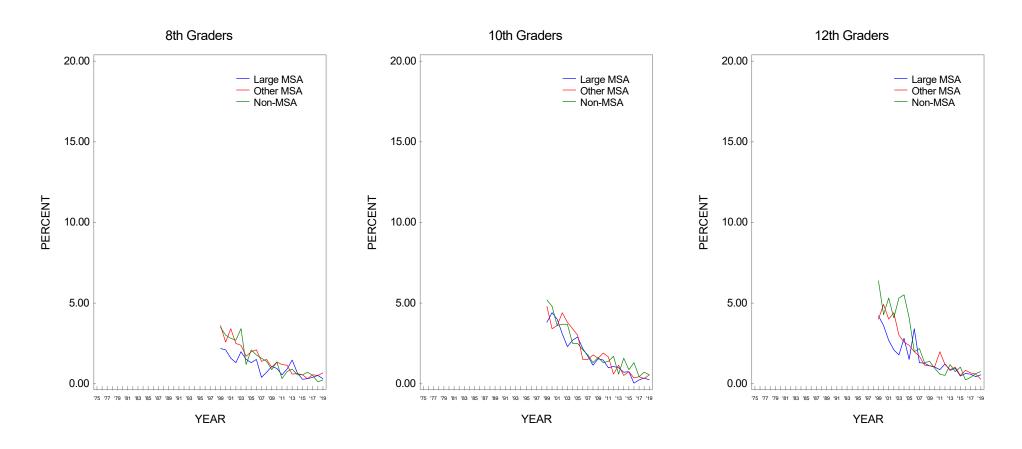
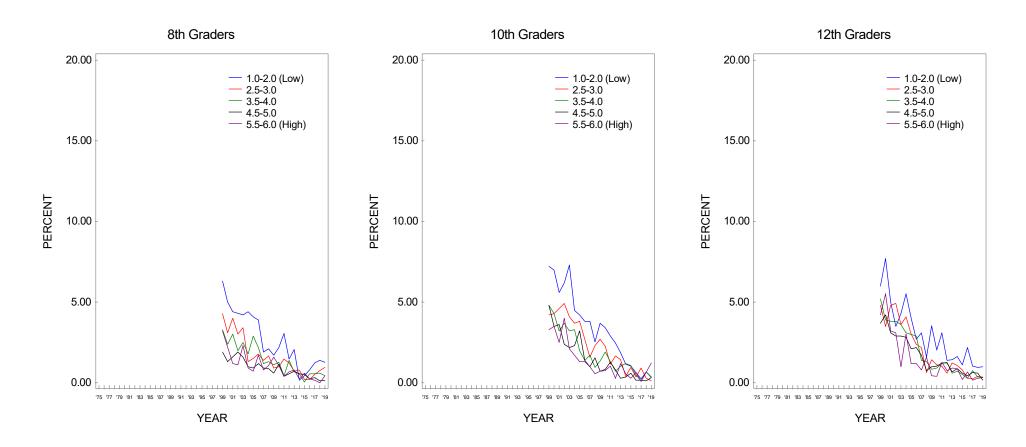
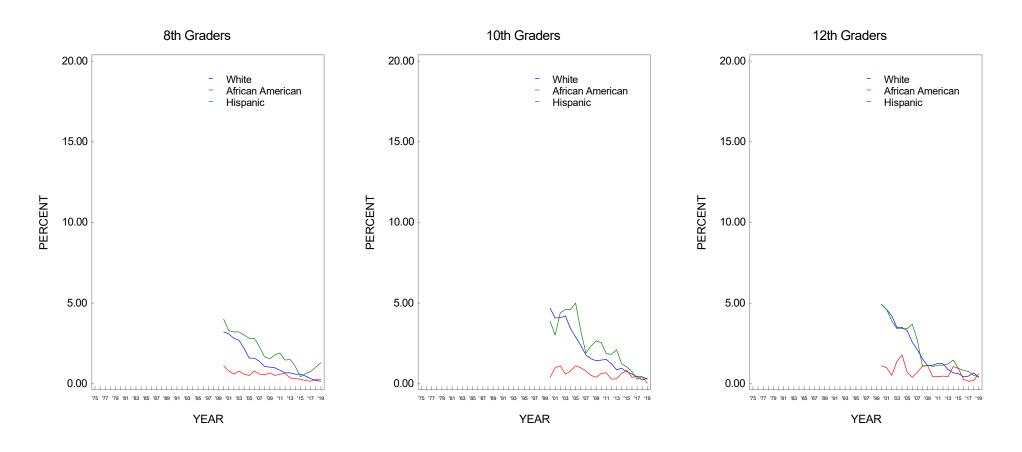


FIGURE 161
Methamphetamine: Trends in Annual Prevalence by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 162
Methamphetamine: Trends in Annual Prevalence by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 163 Crystal Methamphetamine (Ice): Trends in Annual Prevalence by Gender

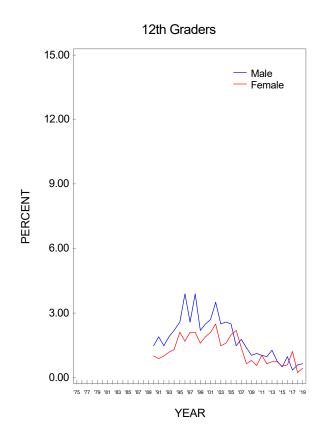


FIGURE 164 Crystal Methamphetamine (Ice): Trends in Annual Prevalence by College Plans

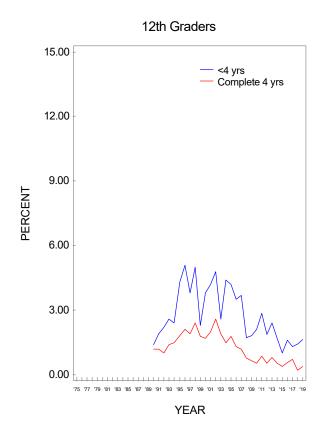


FIGURE 165 Crystal Methamphetamine (Ice): Trends in Annual Prevalence by Region

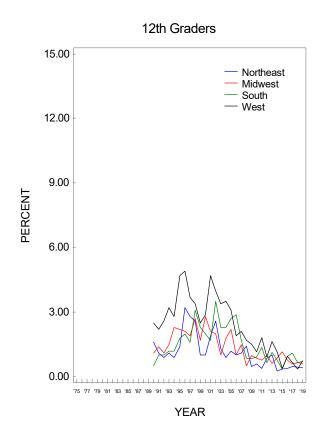


FIGURE 166 Crystal Methamphetamine (Ice): Trends in Annual Prevalence by Population Density

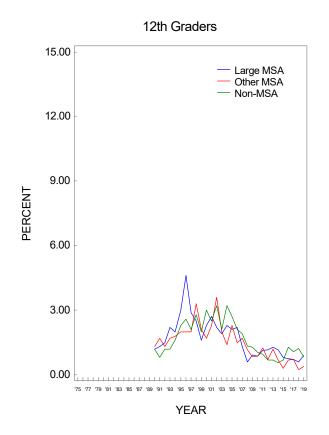
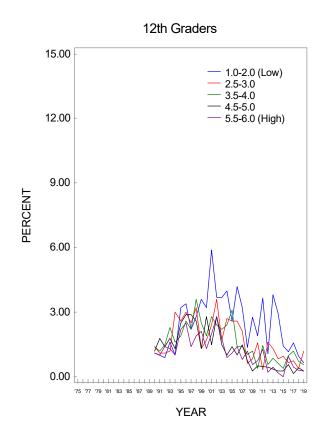
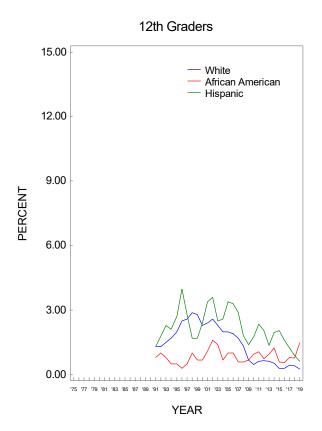


FIGURE 167
Crystal Methamphetamine (Ice): Trends in Annual Prevalence by Average Education Level of Parents*



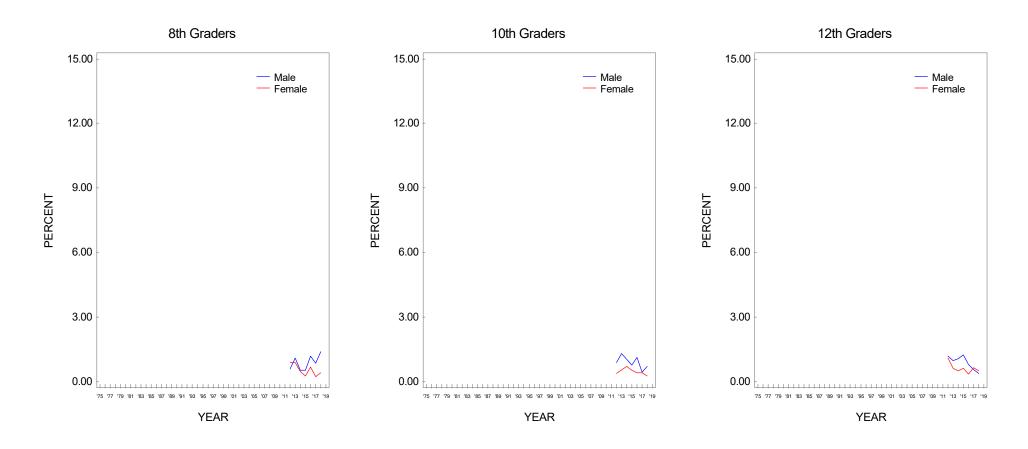
^{*}Parental education is an average score of mother's education and father's education.

FIGURE 168 Crystal Methamphetamine (Ice): Trends in Annual Prevalence by Race/Ethnicity*



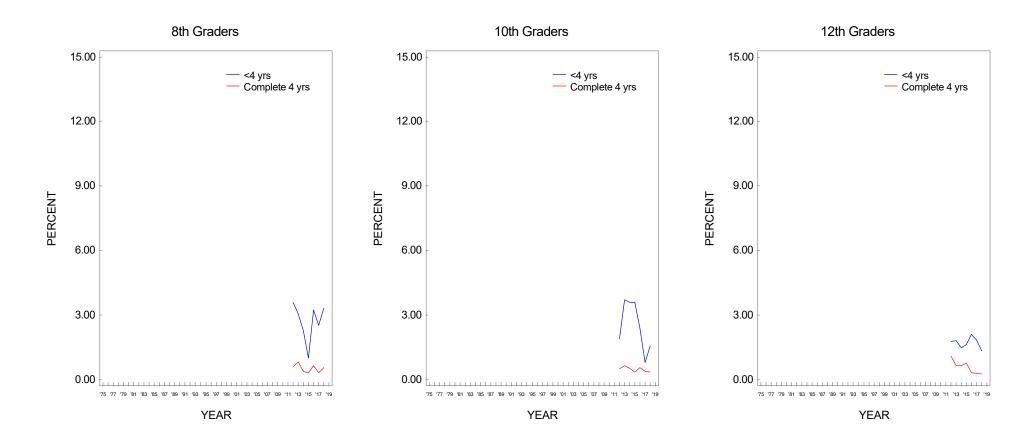
^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 169
Bath Salts (Synthetic Stimulants):* Trends in Annual Prevalence by Gender



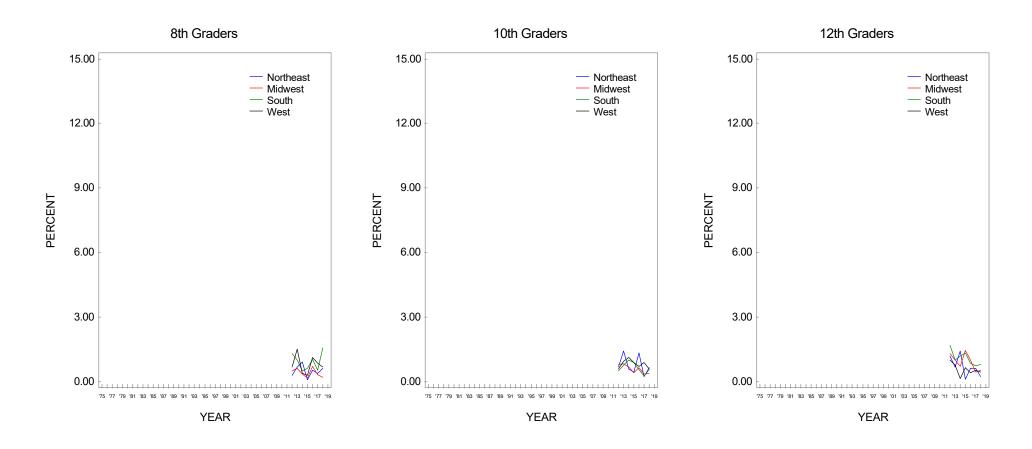
^{*}Question discontinued in 2019.

FIGURE 170
Bath Salts (Synthetic Stimulants): Trends in Annual Prevalence by College Plans



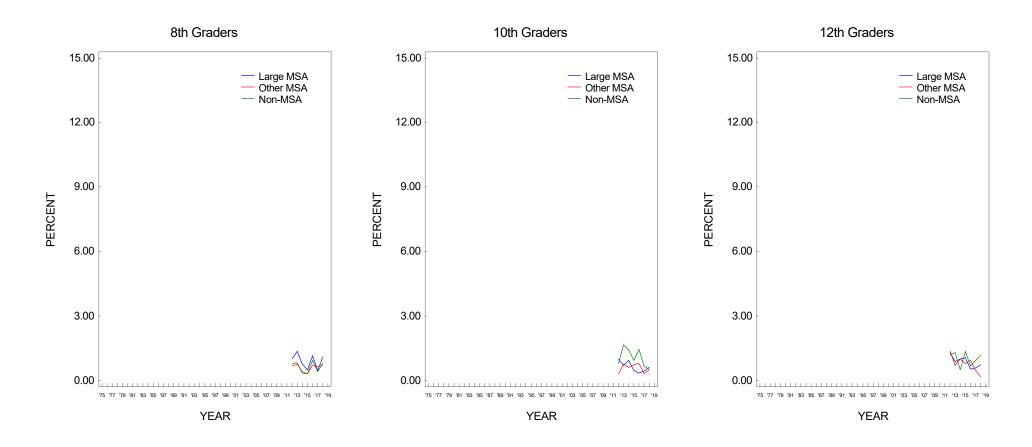
^{*}Question discontinued in 2019.

FIGURE 171
Bath Salts (Synthetic Stimulants):* Trends in Annual Prevalence by Region



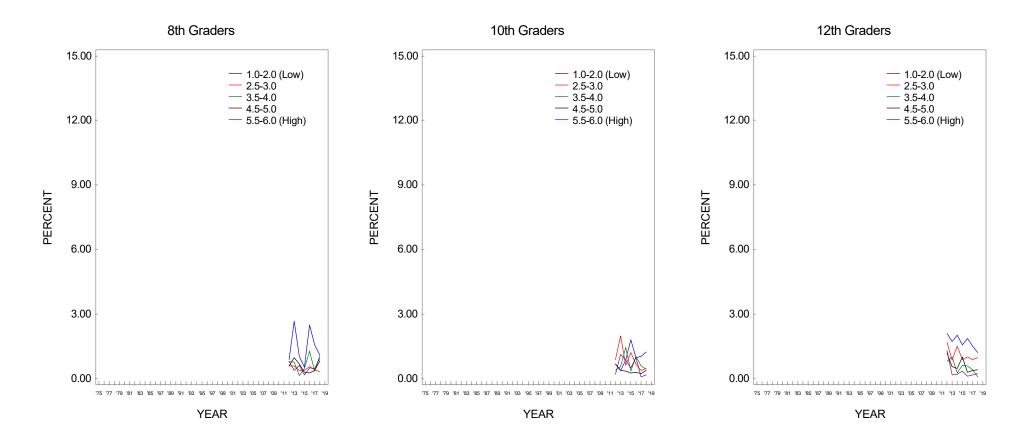
^{*}Question discontinued in 2019.

FIGURE 172
Bath Salts (Synthetic Stimulants):* Trends in Annual Prevalence by Population Density



^{*}Question discontinued in 2019.

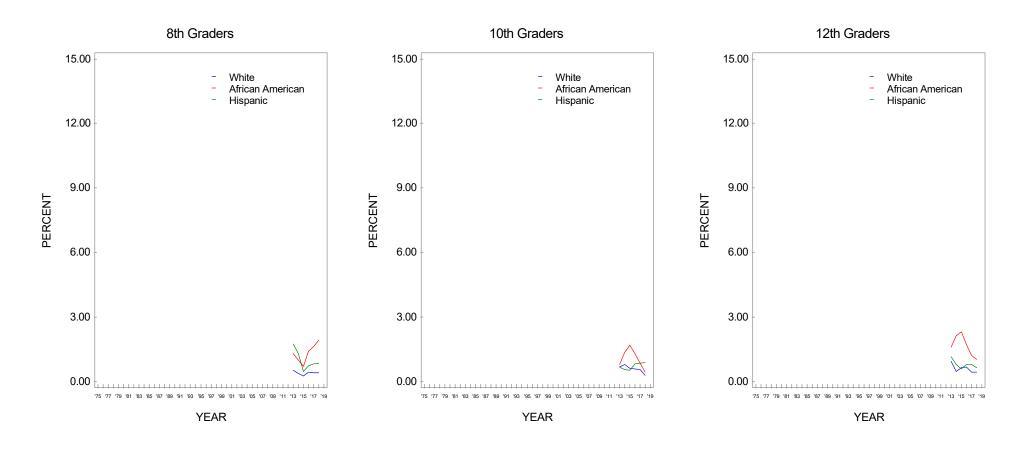
FIGURE 173
Bath Salts (Synthetic Stimulants):* Trends in Annual Prevalence by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

^{*}Question discontinued in 2019.

FIGURE 174
Bath Salts (Synthetic Stimulants):* Trends in Annual Prevalence by Race/Ethnicity**



^{*}Question discontinued in 2019.

^{**}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 175 Sedatives (Barbiturates): Trends in Annual Prevalence by Gender

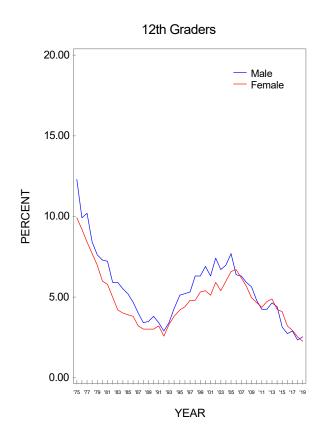


FIGURE 176 Sedatives (Barbiturates): Trends in Annual Prevalence by College Plans

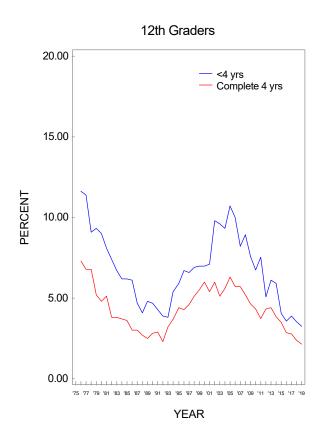


FIGURE 177
Sedatives (Barbiturates): Trends in Annual Prevalence by Region

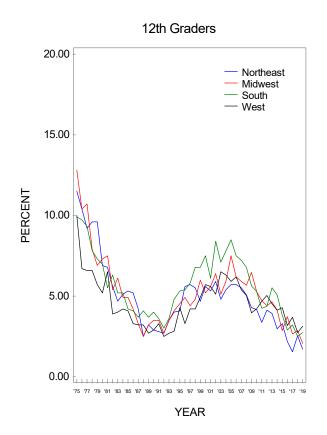


FIGURE 178
Sedatives (Barbiturates): Trends in Annual Prevalence by Population Density

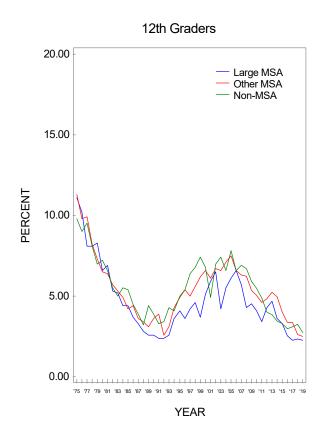
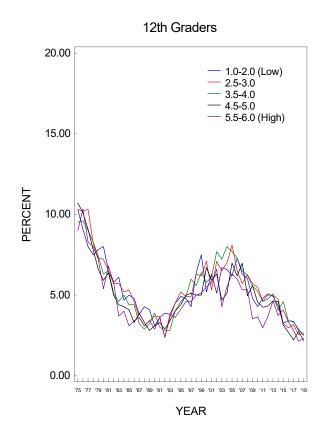
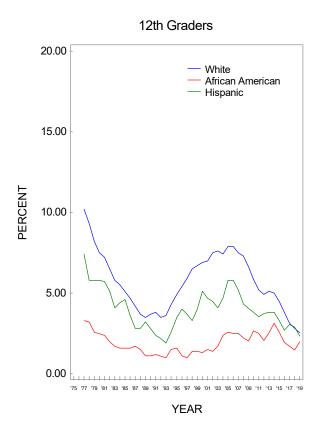


FIGURE 179
Sedatives (Barbiturates): Trends in Annual Prevalence by Average Education Level of Parents*



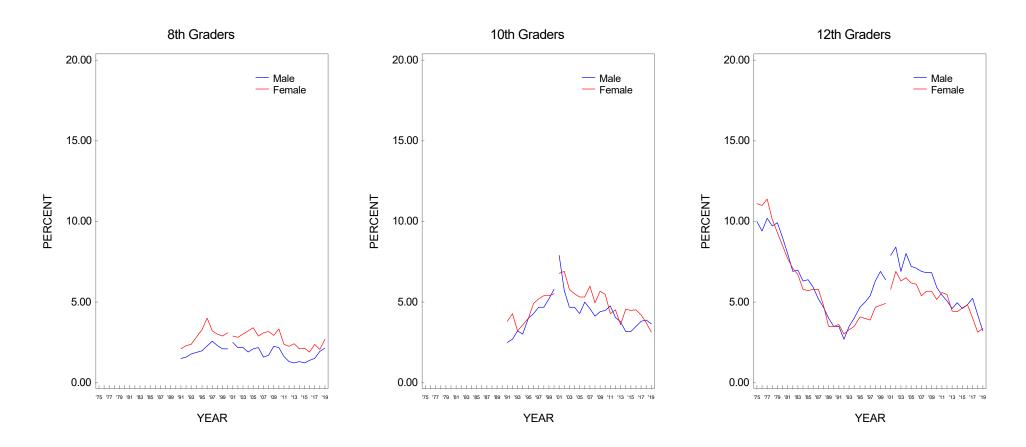
^{*}Parental education is an average score of mother's education and father's education.

FIGURE 180 Sedatives (Barbiturates): Trends in Annual Prevalence by Race/Ethnicity*



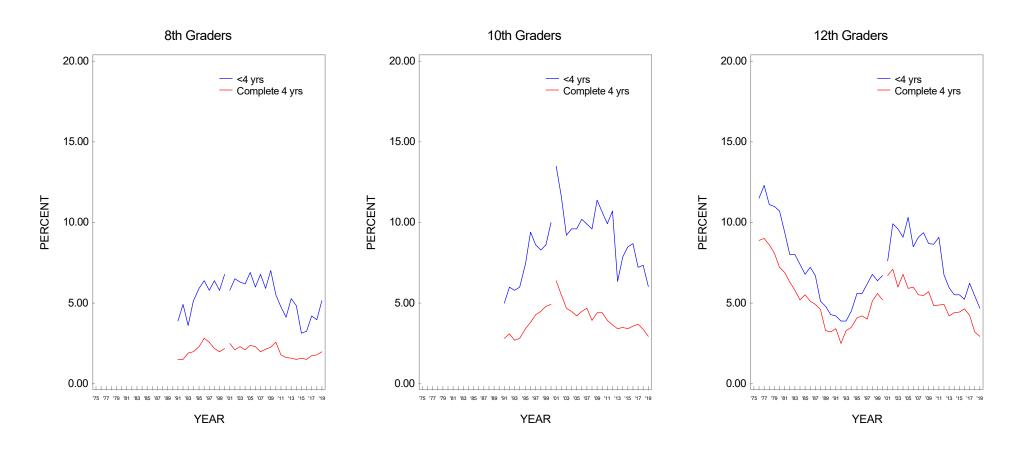
^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 181
Tranquilizers:* Trends in Annual Prevalence by Gender



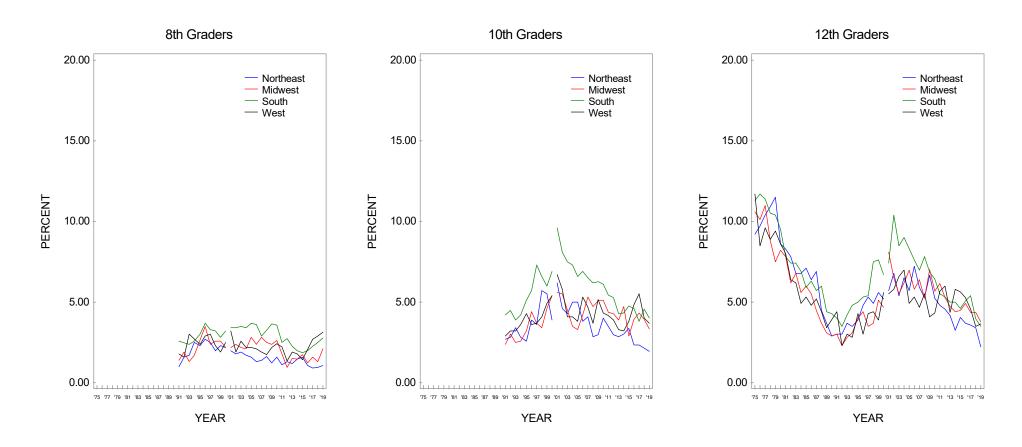
^{*}Beginning in 2001, a revised set of questions on tranquilizer use was introduced in which Miltown was replaced with Xanax.

FIGURE 182
Tranquilizers:* Trends in Annual Prevalence by College Plans



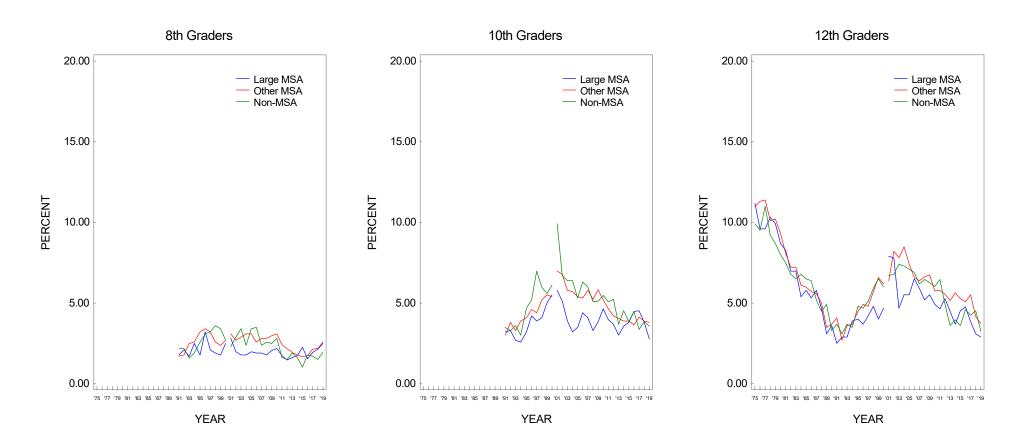
^{*}Beginning in 2001, a revised set of questions on tranquilizer use was introduced in which Miltown was replaced with Xanax.

FIGURE 183
Tranquilizers:* Trends in Annual Prevalence by Region



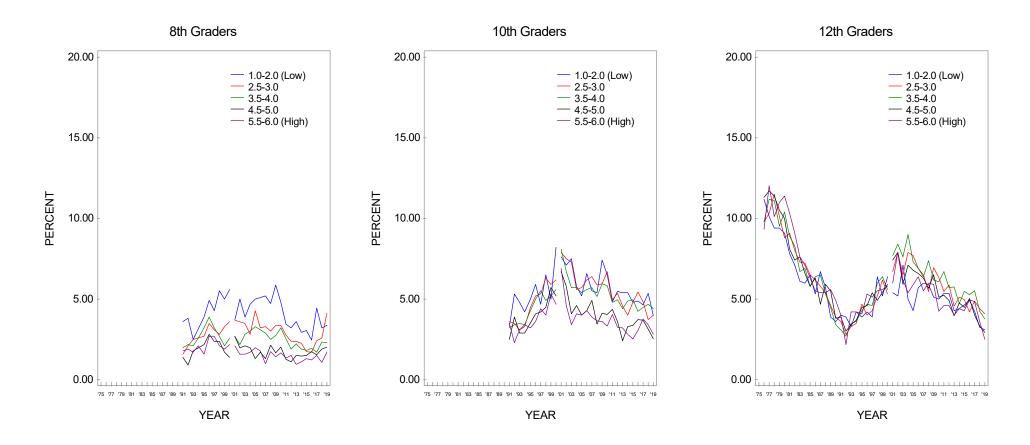
^{*}Beginning in 2001, a revised set of questions on tranquilizer use was introduced in which Miltown was replaced with Xanax.

FIGURE 184
Tranquilizers:* Trends in Annual Prevalence by Population Density



^{*}Beginning in 2001, a revised set of questions on tranquilizer use was introduced in which Miltown was replaced with Xanax.

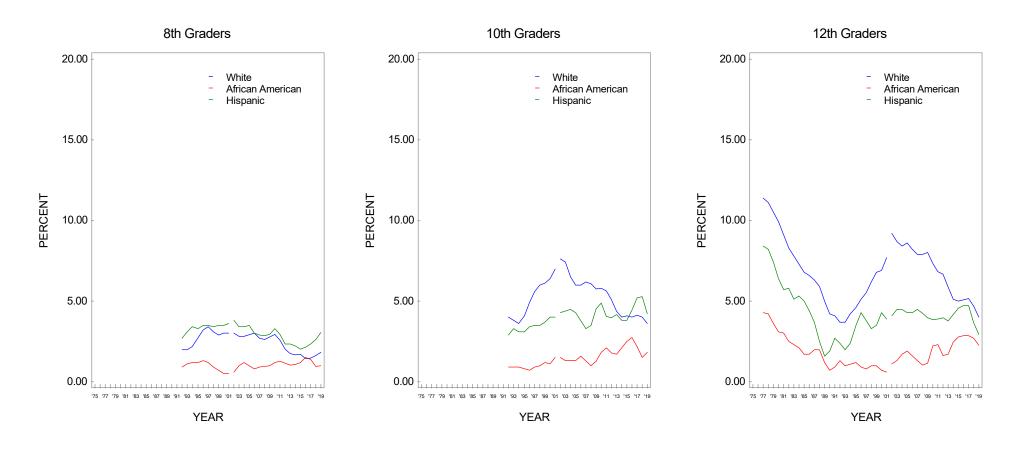
FIGURE 185
Tranquilizers:* Trends in Annual Prevalence by Average Education Level of Parents**



^{*}Beginning in 2001, a revised set of questions on tranquilizer use was introduced in which Miltown was replaced with Xanax.

^{**}Parental education is an average score of mother's education and father's education.

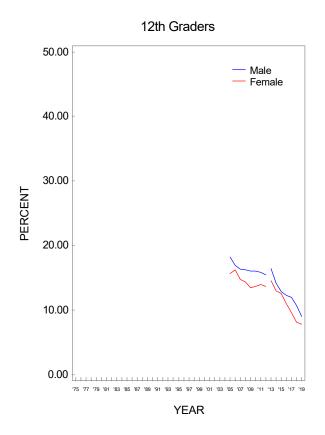
FIGURE 186
Tranquilizers:* Trends in Annual Prevalence by Race/Ethnicity**



^{*}Beginning in 2001, a revised set of questions on tranquilizer use was introduced in which Miltown was replaced with Xanax.

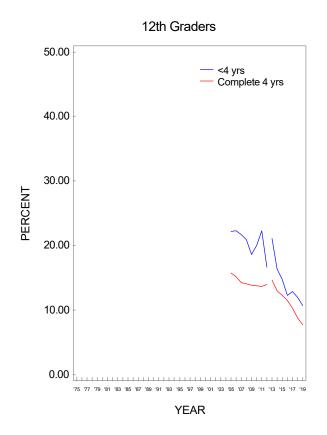
^{**}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 187 Any Prescription Drug:* Trends in Annual Prevalence by Gender



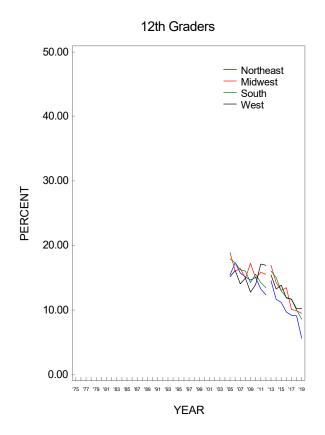
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 188 Any Prescription Drug:* Trends in Annual Prevalence by College Plans



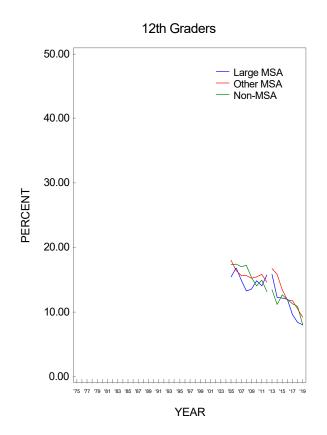
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 189 Any Prescription Drug:* Trends in Annual Prevalence by Region



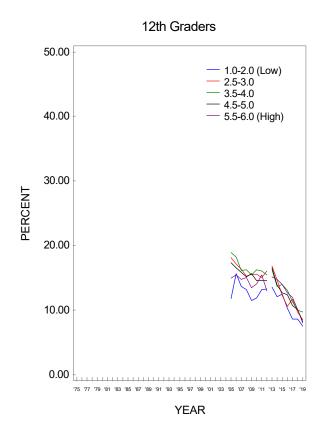
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 190 Any Prescription Drug:* Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

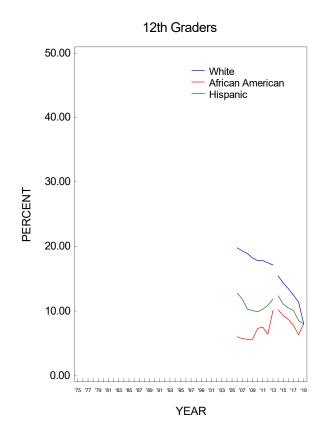
FIGURE 191
Any Prescription Drug:* Trends in Annual Prevalence by Average Education Level of Parents**



^{*}The use of any prescription drug includes use of any of the following: amphetamines, sedatives (barbiturates), narcotics other than heroin, or tranquilizers without a doctor telling you to use them. Beginning in 2013, a revised set of questions on amphetamine use was introduced

^{**}Parental education is an average score of mother's education and father's education.

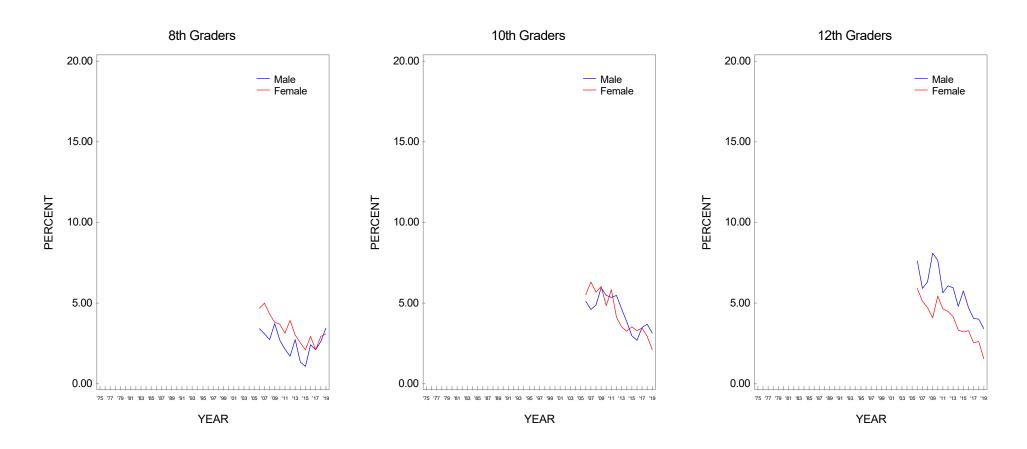
FIGURE 192 Any Prescription Drug:* Trends in Annual Prevalence by Race/Ethnicity**



^{*}The use of any prescription drug includes use of any of the following: amphetamines, sedatives (barbiturates), narcotics other than heroin, or tranquilizers without a doctor telling you to use them. Beginning in 2013, a revised set of questions on amphetamine use was introduced

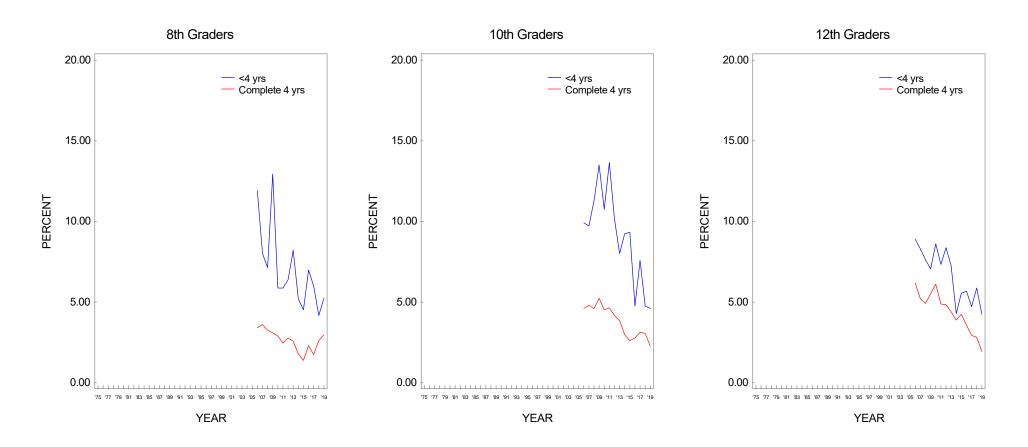
^{**}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 193
Over-the-Counter Cough/Cold Medicines:* Trends in Annual Prevalence by Gender



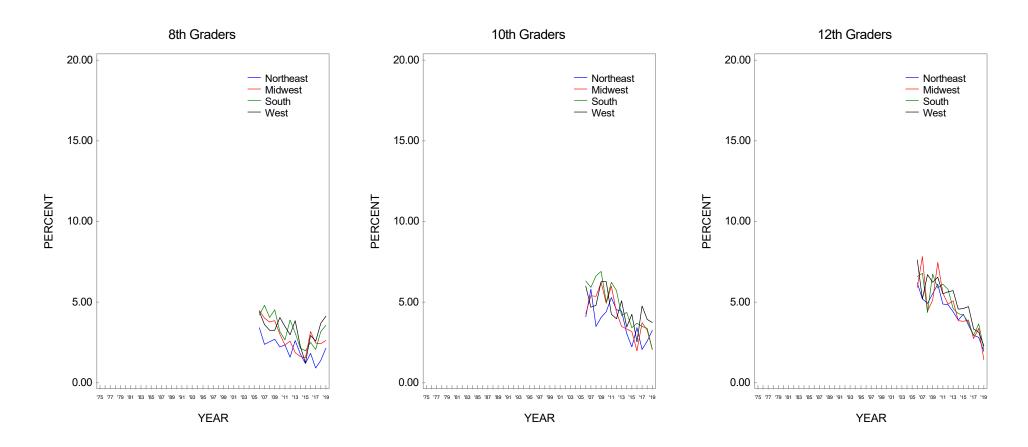
Source. The Monitoring the Future study, the University of Michigan. *Taken to get high.

FIGURE 194
Over-the-Counter Cough/Cold Medicines:* Trends in Annual Prevalence by College Plans



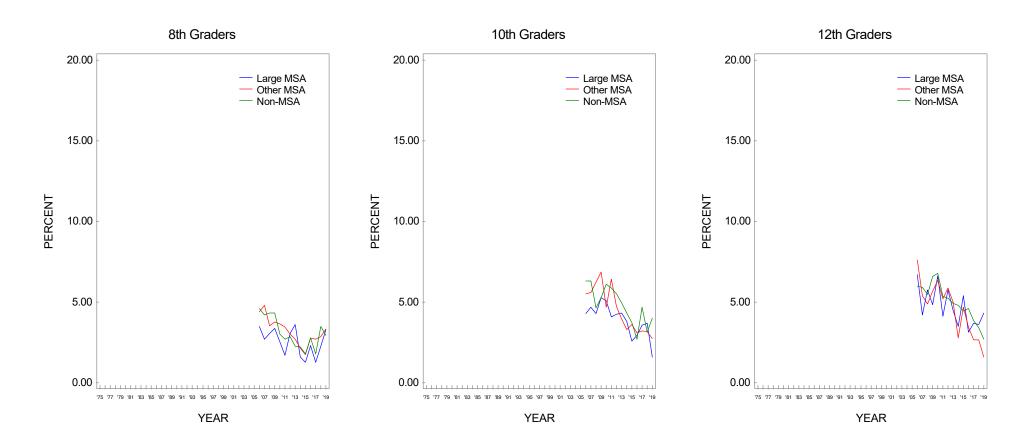
Source. The Monitoring the Future study, the University of Michigan. *Taken to get high.

FIGURE 195
Over-the-Counter Cough/Cold Medicines:* Trends in Annual Prevalence by Region



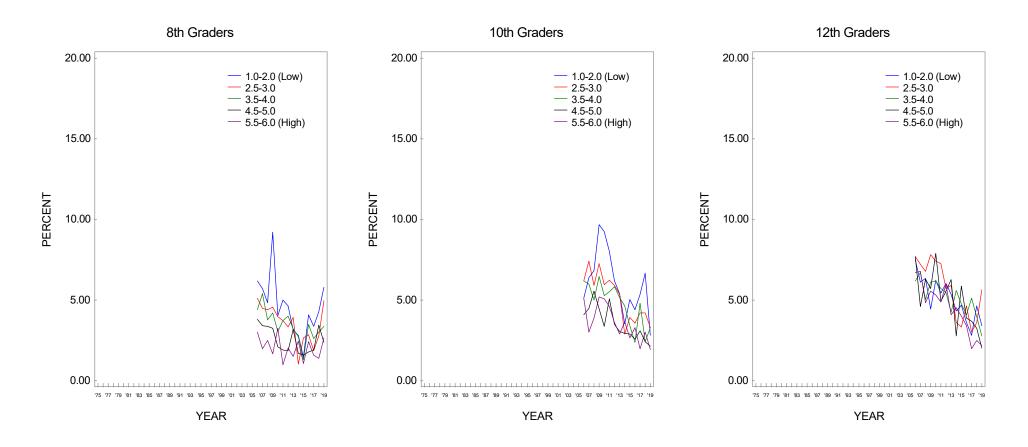
Source. The Monitoring the Future study, the University of Michigan. *Taken to get high.

FIGURE 196
Over-the-Counter Cough/Cold Medicines:* Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan. *Taken to get high.

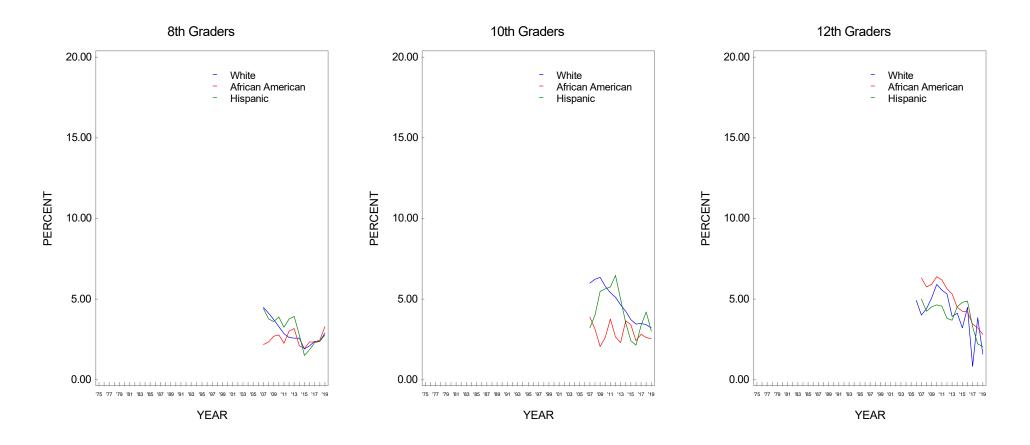
FIGURE 197
Over-the-Counter Cough/Cold Medicines:* Trends in Annual Prevalence by Average Education Level of Parents**



^{*}Taken to get high.

^{**}Parental education is an average score of mother's education and father's education.

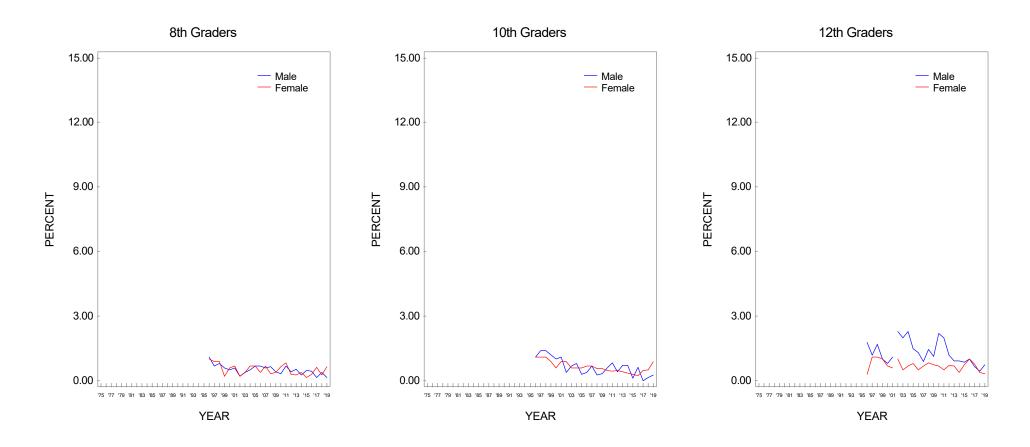
FIGURE 198
Over-the-Counter Cough/Cold Medicines:* Trends in Annual Prevalence by Race/Ethnicity**



^{*}Taken to get high.

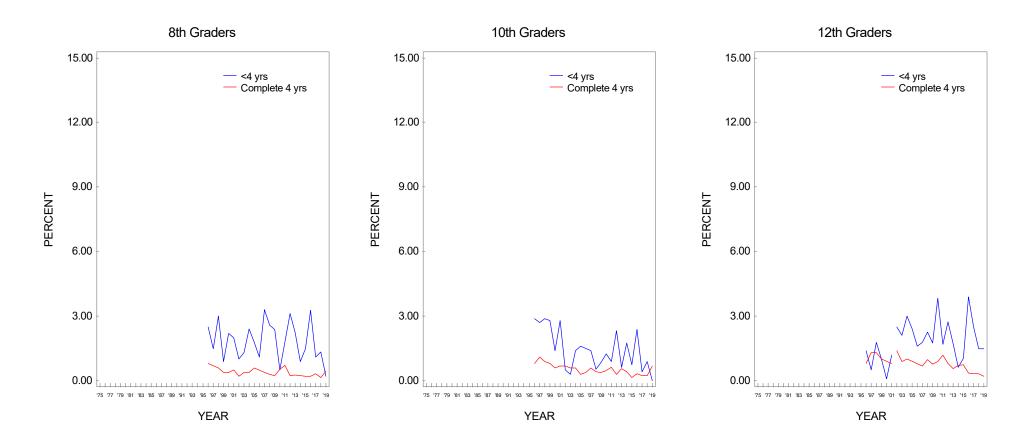
^{**}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 199
Rohypnol:* Trends in Annual Prevalence by Gender



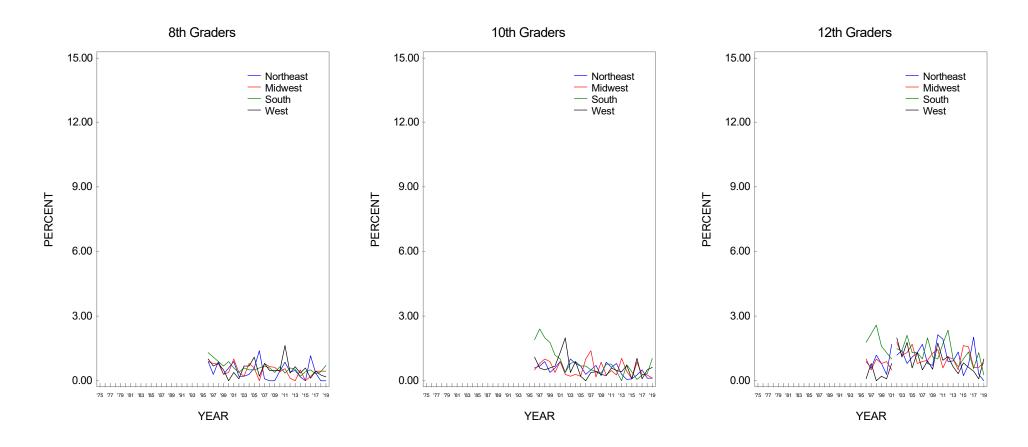
^{*}For 12th grade only, the 2001 and 2002 data are not comparable due to changes in the questionnaire forms.

FIGURE 200
Rohypnol:* Trends in Annual Prevalence by College Plans



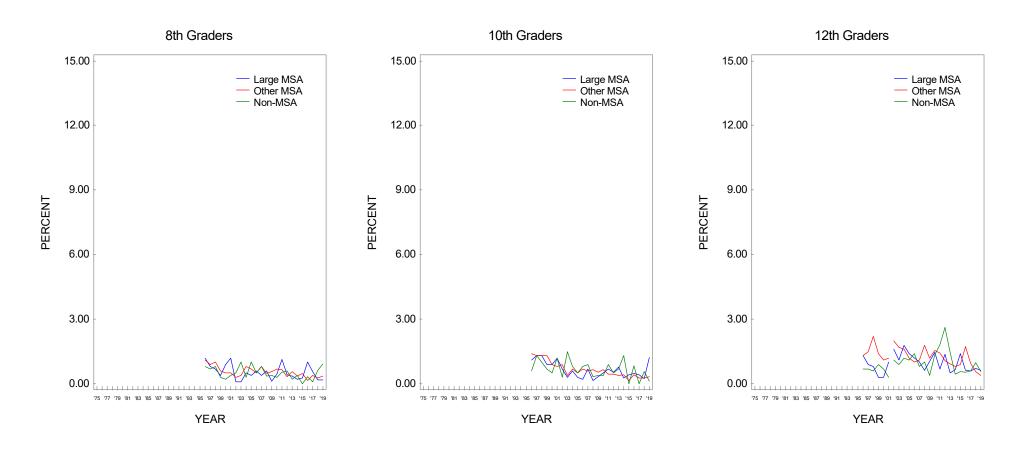
^{*}For 12th grade only, the 2001 and 2002 data are not comparable due to changes in the questionnaire forms.

FIGURE 201
Rohypnol:* Trends in Annual Prevalence by Region



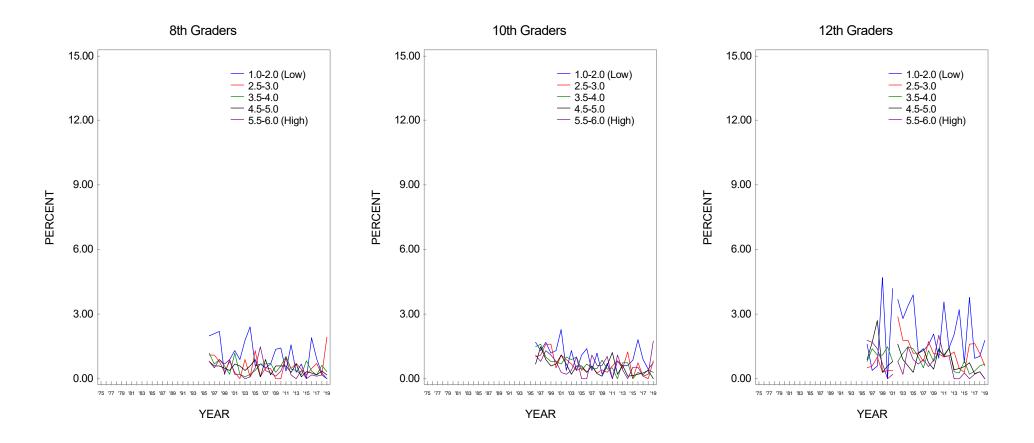
^{*}For 12th grade only, the 2001 and 2002 data are not comparable due to changes in the questionnaire forms.

FIGURE 202
Rohypnol:* Trends in Annual Prevalence by Population Density



^{*}For 12th grade only, the 2001 and 2002 data are not comparable due to changes in the questionnaire forms.

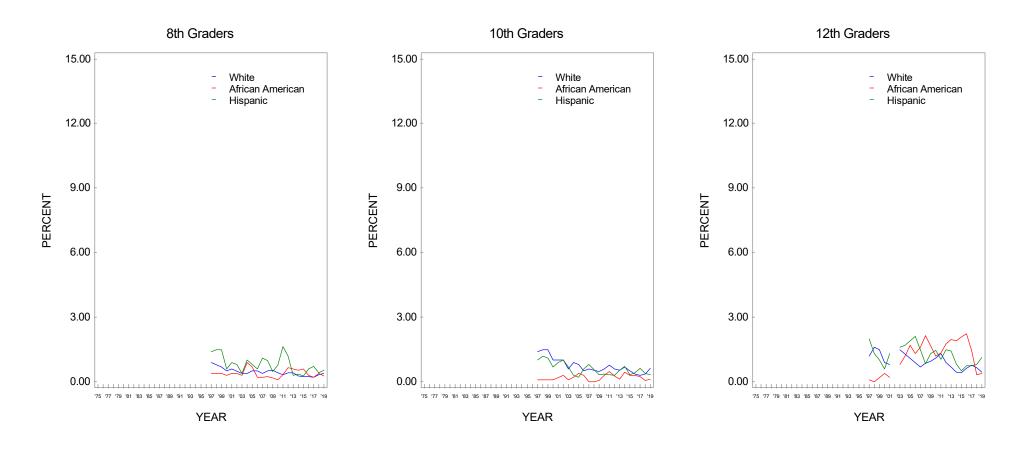
FIGURE 203
Rohypnol:* Trends in Annual Prevalence by Average Education Level of Parents**



^{*}For 12th grade only, the 2001 and 2002 data are not comparable due to changes in the questionnaire forms.

^{**}Parental education is an average score of mother's education and father's education.

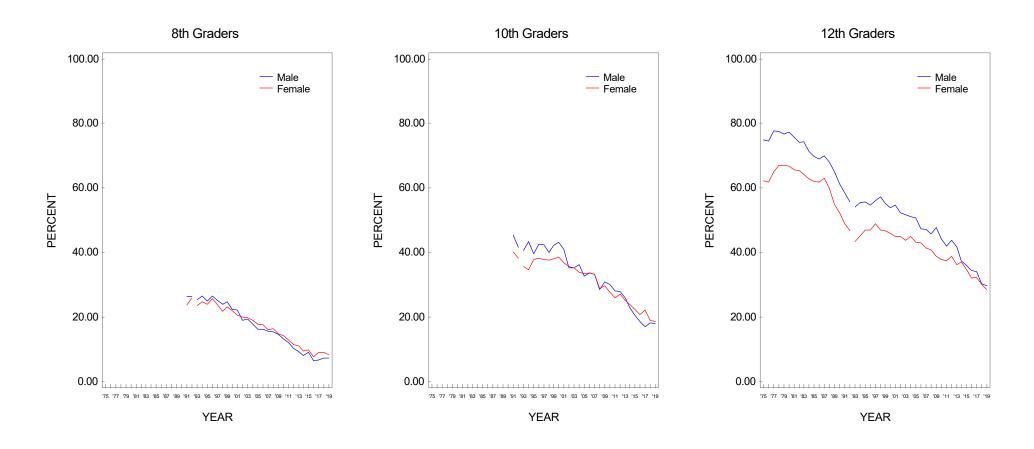
FIGURE 204
Rohypnol:* Trends in Annual Prevalence by Race/Ethnicity**



^{*}For 12th grade only, the 2001 and 2002 data are not comparable due to changes in the questionnaire forms.

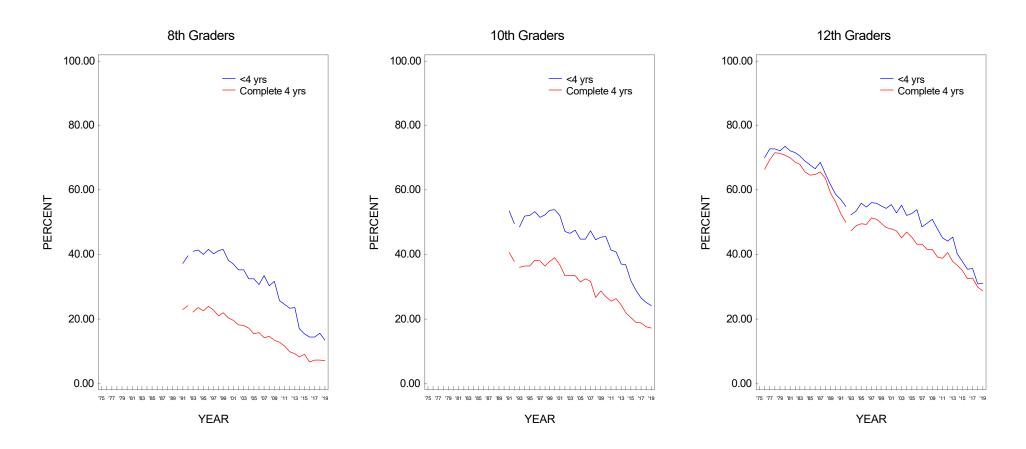
^{**}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 205
Alcohol:* Trends in 30-Day Prevalence by Gender



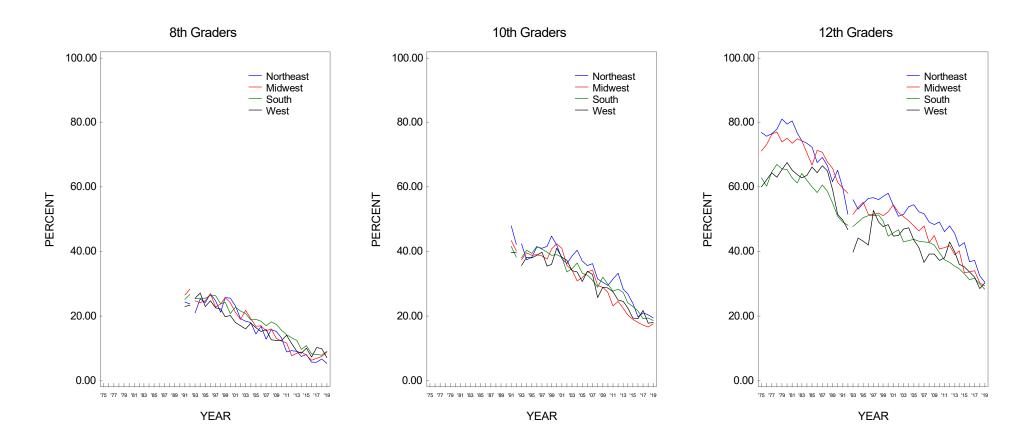
^{*}Beginning in 1993, a revised set of questions on alcohol use was introduced that indicated that a drink meant more than a few sips.

FIGURE 206
Alcohol:* Trends in 30-Day Prevalence by College Plans



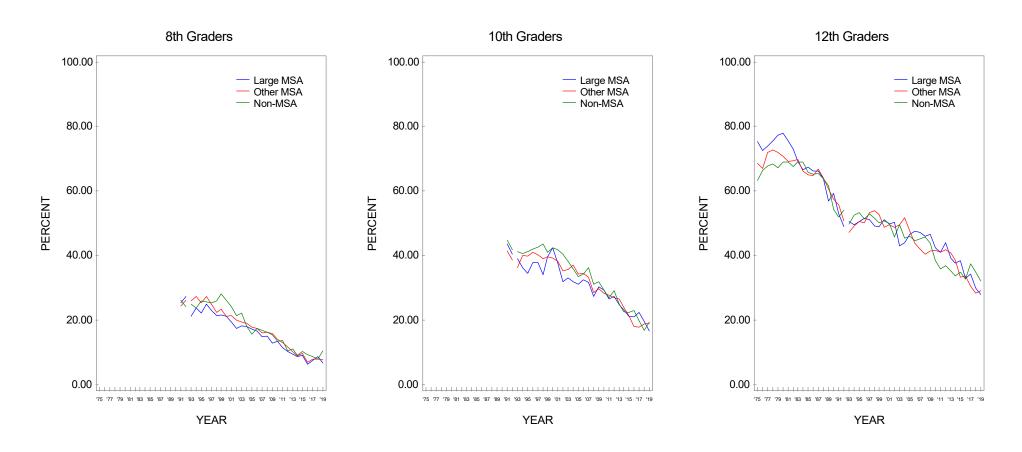
^{*}Beginning in 1993, a revised set of questions on alcohol use was introduced that indicated that a drink meant more than a few sips.

FIGURE 207
Alcohol:* Trends in 30-Day Prevalence by Region



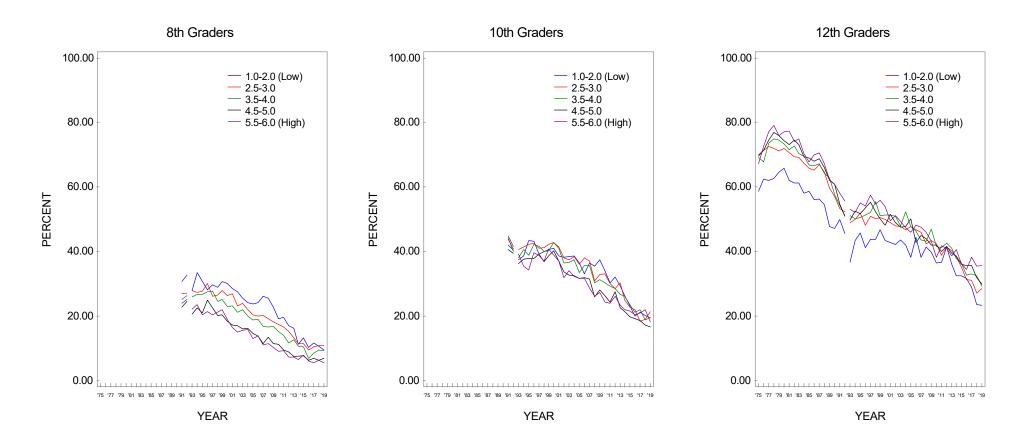
^{*}Beginning in 1993, a revised set of questions on alcohol use was introduced that indicated that a drink meant more than a few sips.

FIGURE 208
Alcohol:* Trends in 30-Day Prevalence by Population Density



^{*}Beginning in 1993, a revised set of questions on alcohol use was introduced that indicated that a drink meant more than a few sips.

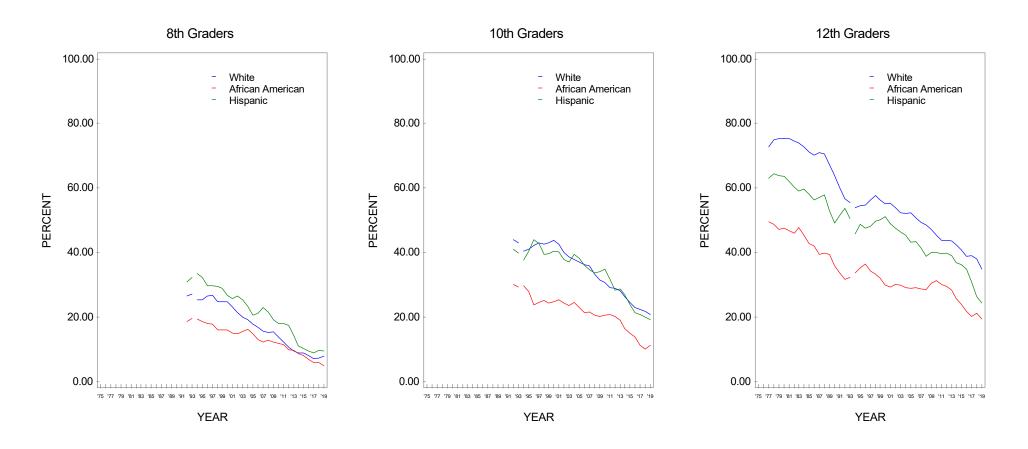
FIGURE 209
Alcohol:* Trends in 30-Day Prevalence by Average Education Level of Parents**



^{*}Beginning in 1993, a revised set of questions on alcohol use was introduced that indicated that a drink meant more than a few sips.

^{**}Parental education is an average score of mother's education and father's education.

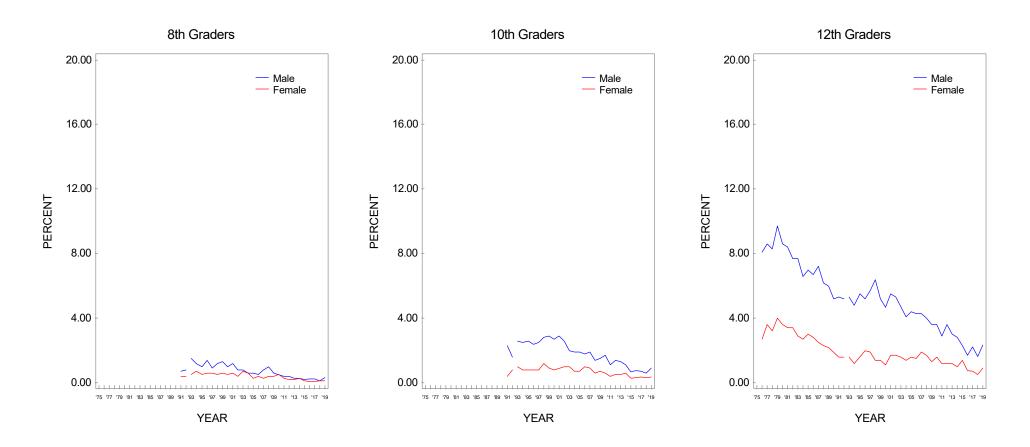
FIGURE 210
Alcohol:* Trends in 30-Day Prevalence by Race/Ethnicity**



^{*}Beginning in 1993, a revised set of questions on alcohol use was introduced that indicated that a drink meant more than a few sips.

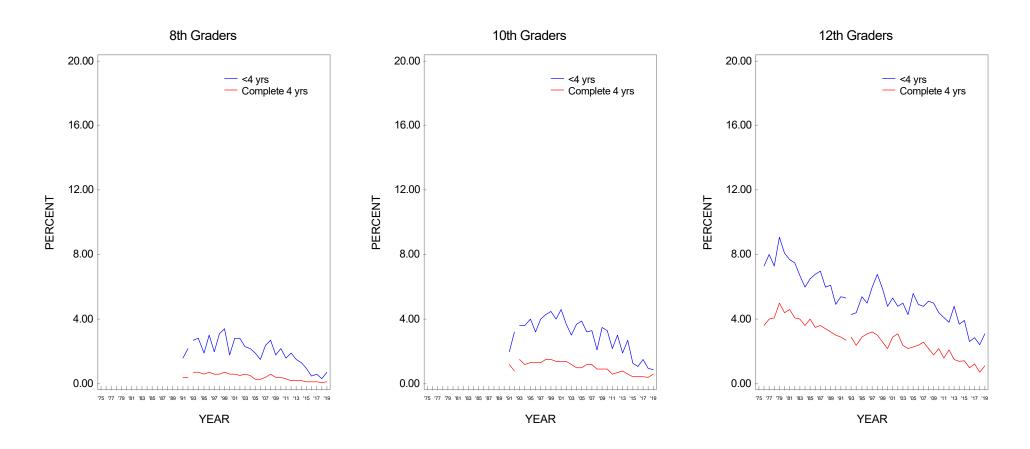
^{**}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 211
Alcohol:* Trends in Daily Prevalence by Gender



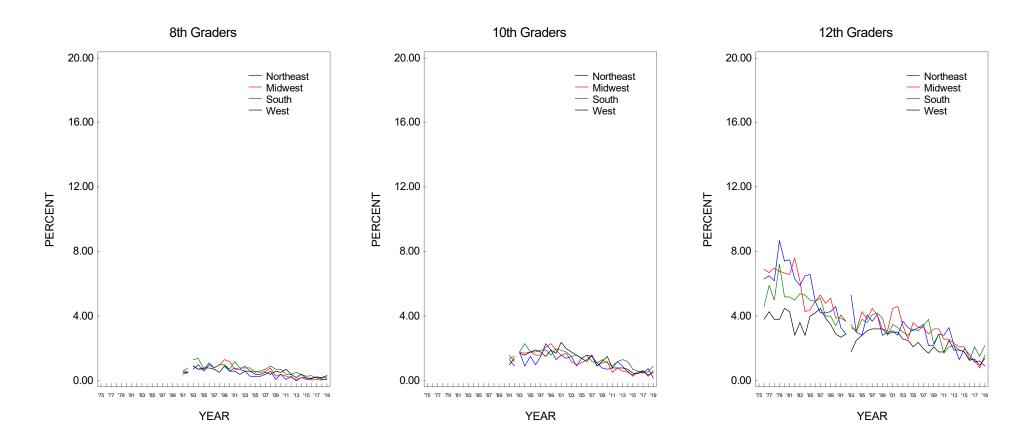
^{*}Beginning in 1993, a revised set of questions on alcohol use was introduced that indicated that a drink meant more than a few sips.

FIGURE 212
Alcohol:* Trends in Daily Prevalence by College Plans



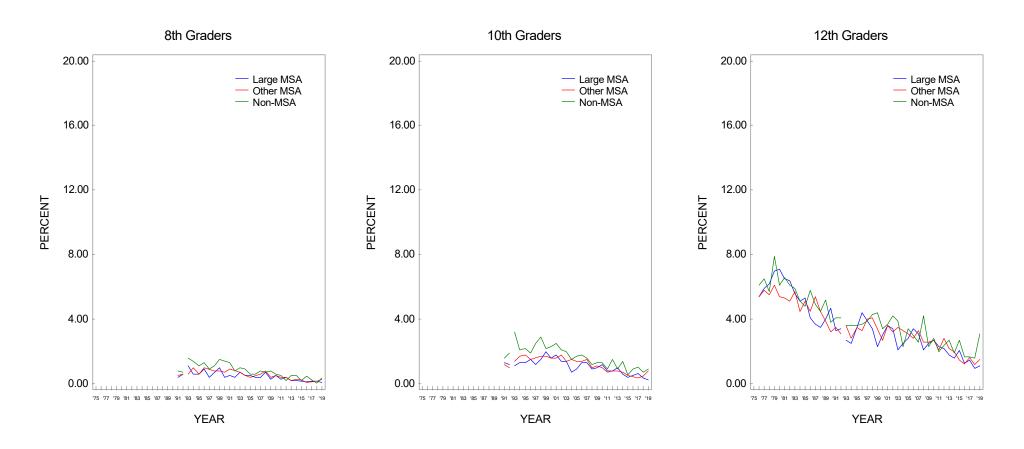
^{*}Beginning in 1993, a revised set of questions on alcohol use was introduced that indicated that a drink meant more than a few sips.

FIGURE 213
Alcohol:* Trends in Daily Prevalence by Region



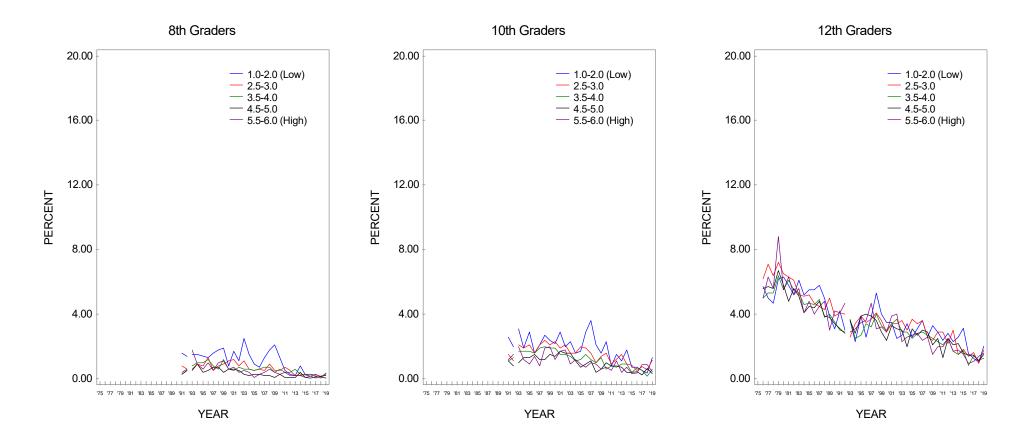
^{*}Beginning in 1993, a revised set of questions on alcohol use was introduced that indicated that a drink meant more than a few sips.

FIGURE 214
Alcohol:* Trends in Daily Prevalence by Population Density



^{*}Beginning in 1993, a revised set of questions on alcohol use was introduced that indicated that a drink meant more than a few sips.

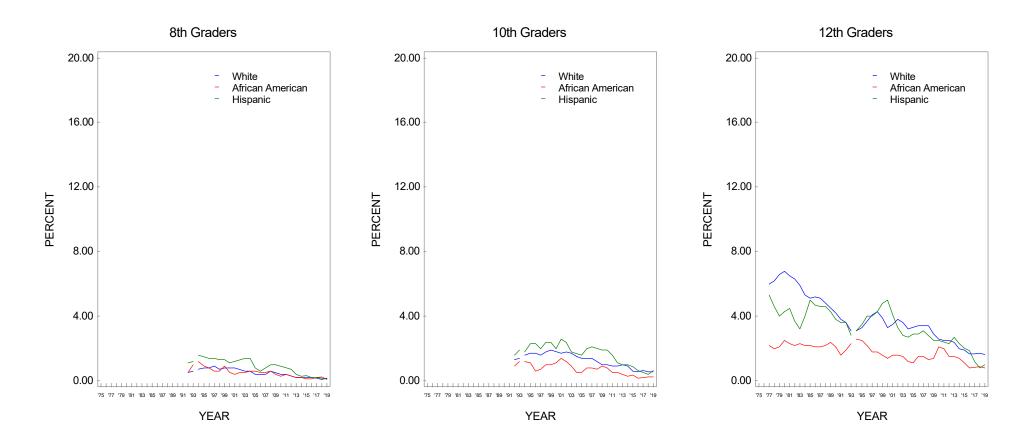
FIGURE 215
Alcohol:* Trends in Daily Prevalence by Average Education Level of Parents**



^{*}Beginning in 1993, a revised set of questions on alcohol use was introduced that indicated that a drink meant more than a few sips.

^{**}Parental education is an average score of mother's education and father's education.

FIGURE 216
Alcohol:* Trends in Daily Prevalence by Race/Ethnicity**



^{*}Beginning in 1993, a revised set of questions on alcohol use was introduced that indicated that a drink meant more than a few sips.

^{**}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 217
Alcohol: Trends in 30-Day Prevalence of Having Been Drunk by Gender

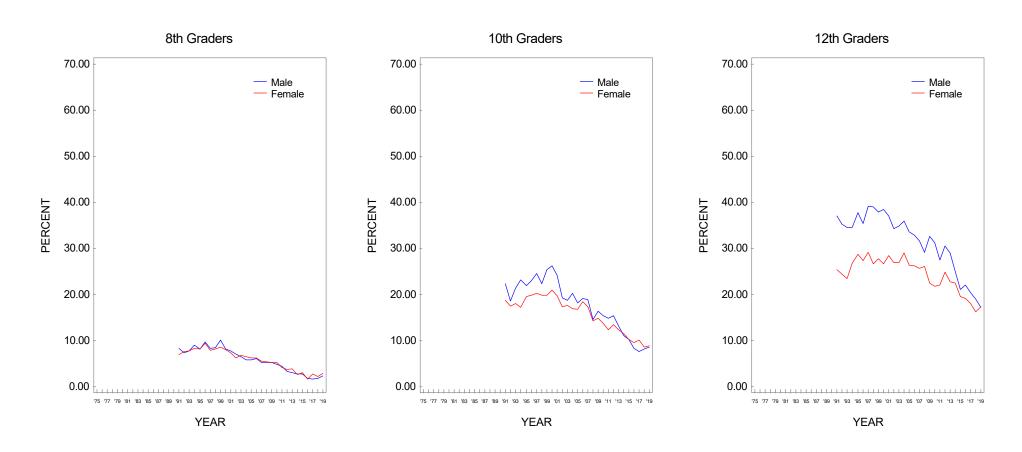


FIGURE 218
Alcohol: Trends in 30-Day Prevalence of Having Been Drunk by College Plans

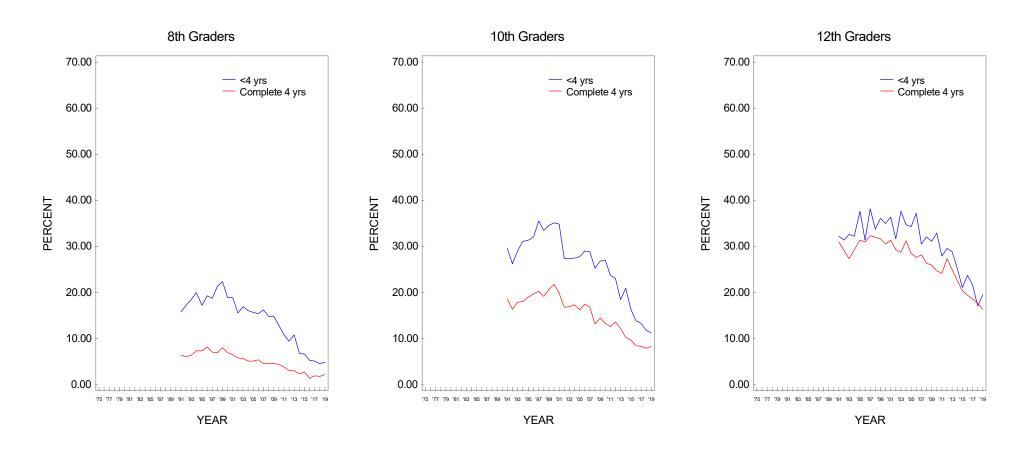


FIGURE 219
Alcohol: Trends in 30-Day Prevalence of Having Been Drunk by Region

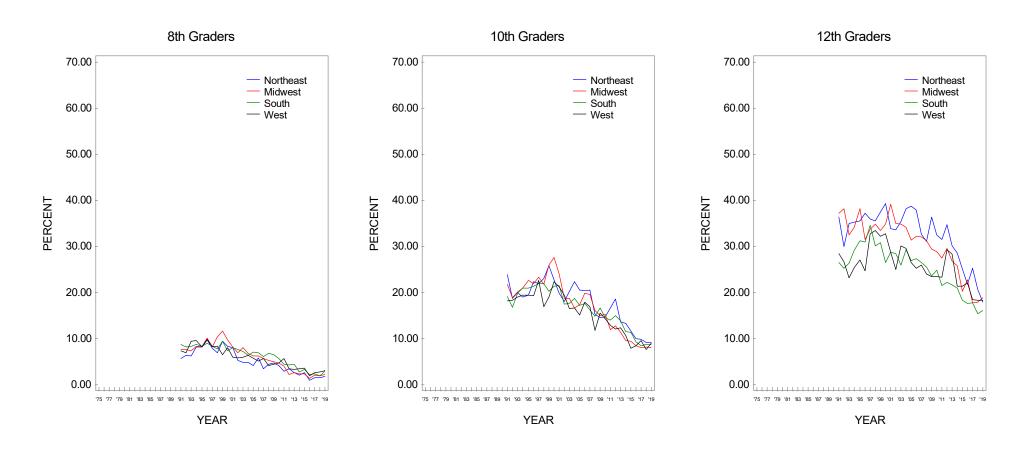


FIGURE 220 Alcohol: Trends in 30-Day Prevalence of Having Been Drunk by Population Density

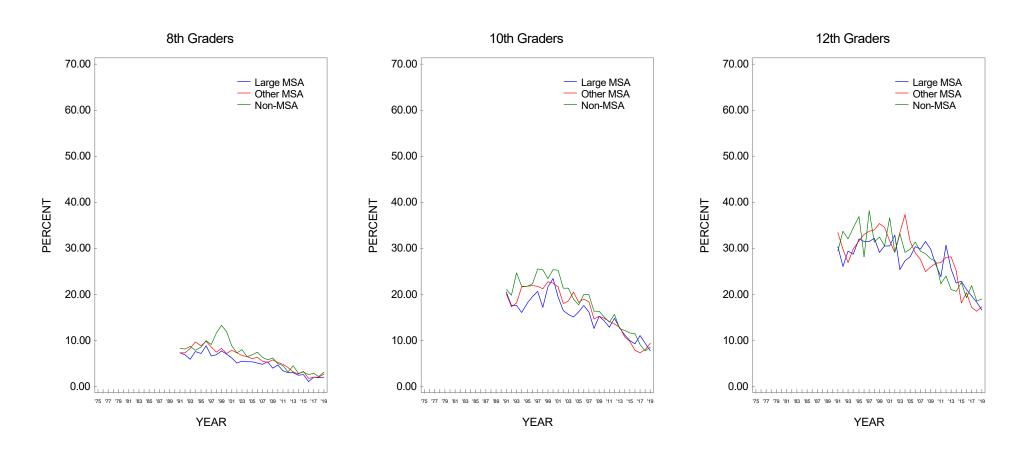
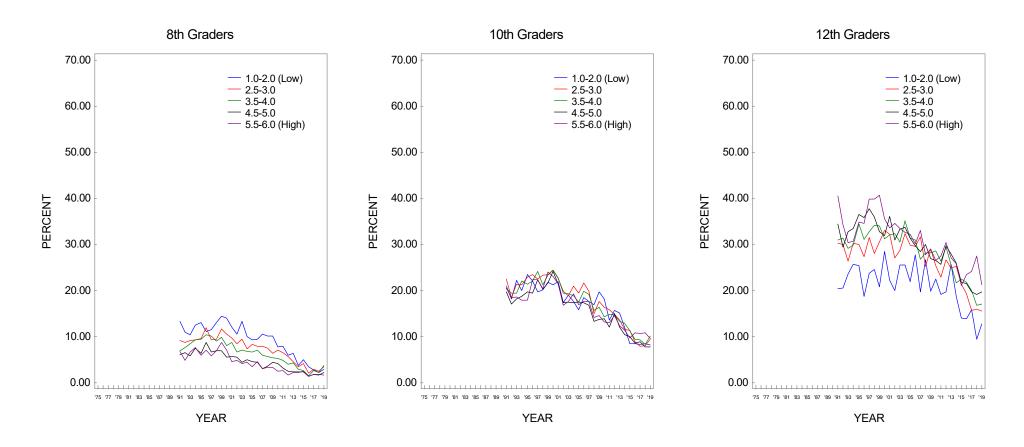
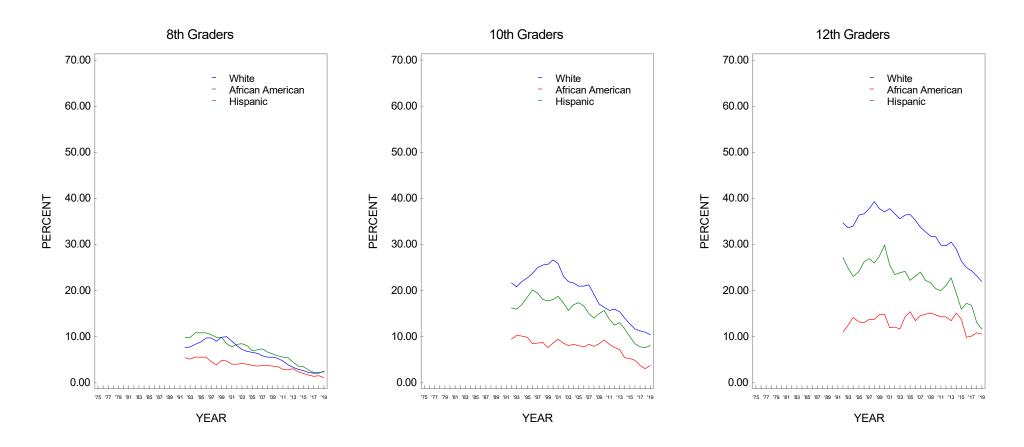


FIGURE 221
Alcohol: Trends in 30-Day Prevalence of Having Been Drunk by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 222
Alcohol: Trends in 30-Day Prevalence of Having Been Drunk by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 223
Binge Drinking: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Gender

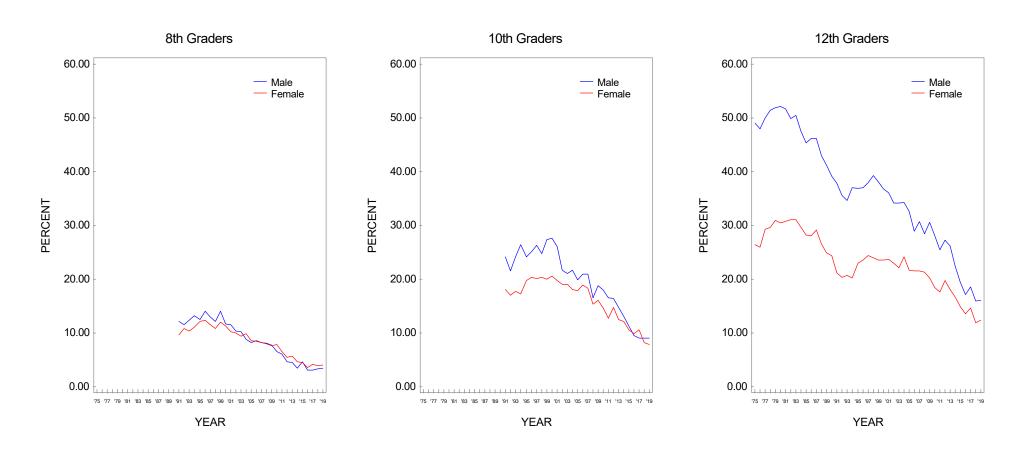


FIGURE 224
Binge Drinking: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by College Plans

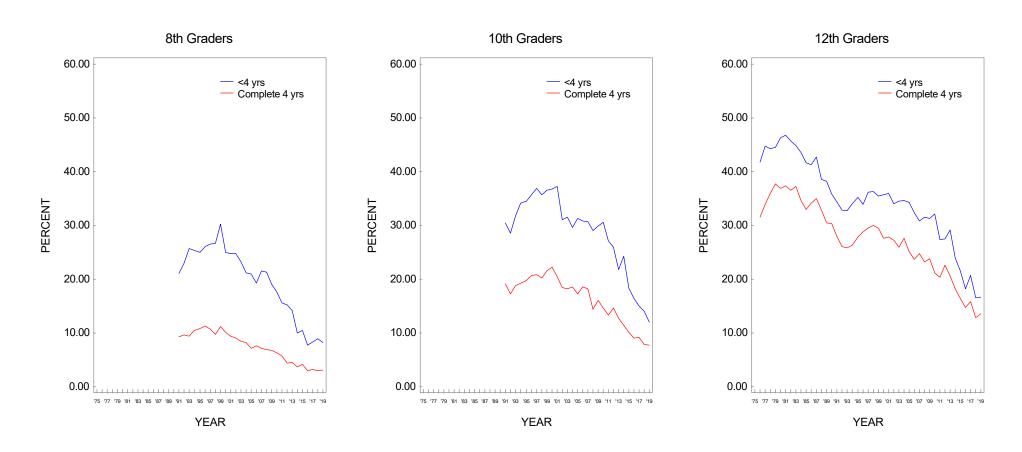


FIGURE 225
Binge Drinking: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Region

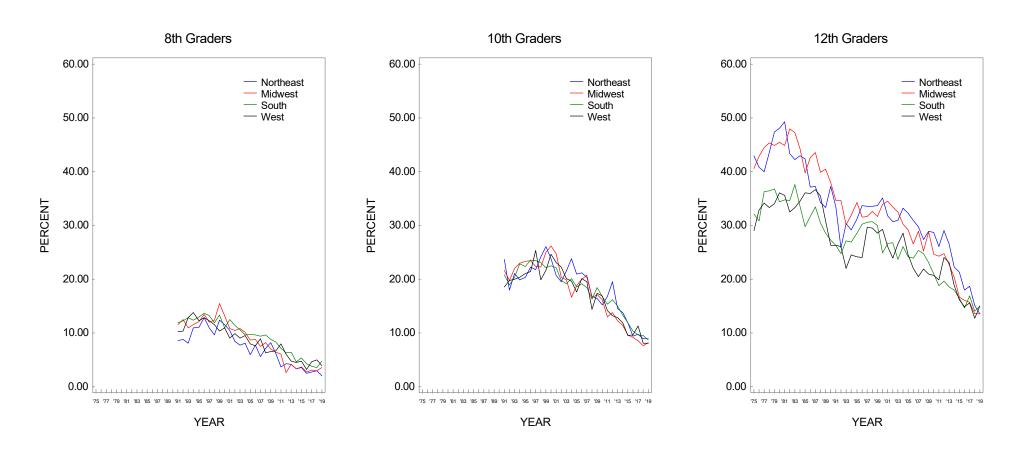


FIGURE 226
Binge Drinking: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Population Density

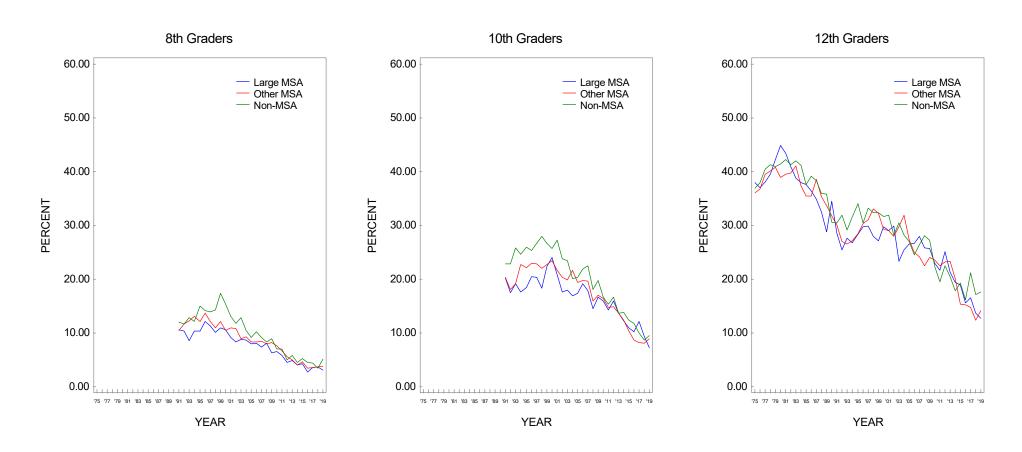
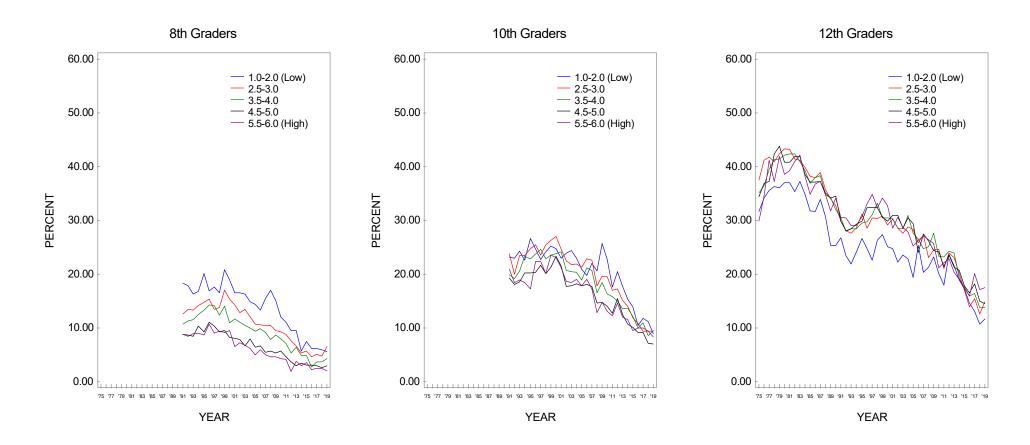
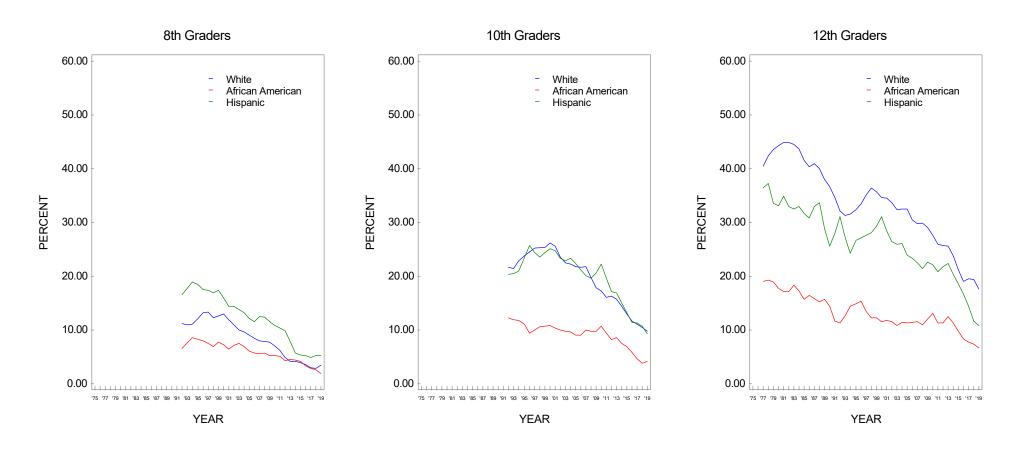


FIGURE 227
Binge Drinking: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 228
Binge Drinking: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 229
Binge Drinking: Trends in 2-Week Prevalence of 10 or More Drinks in a Row by Gender

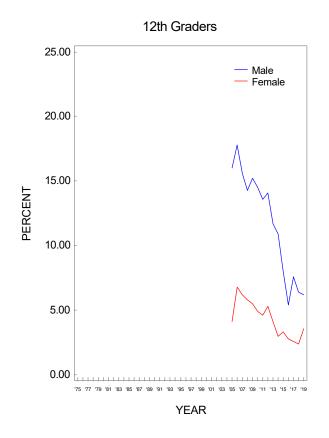


FIGURE 230
Binge Drinking: Trends in 2-Week Prevalence of 10 or More Drinks in a Row by College Plans

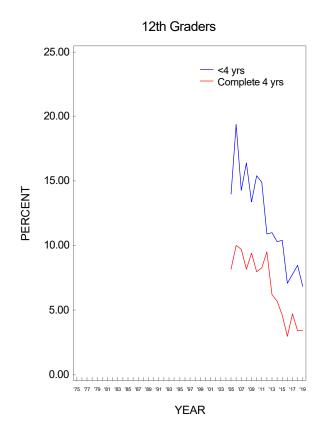


FIGURE 231
Binge Drinking: Trends in 2-Week Prevalence of 10 or More Drinks in a Row by Region

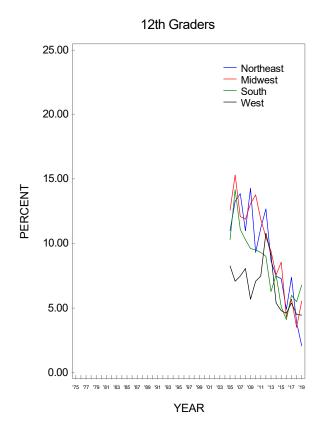


FIGURE 232
Binge Drinking: Trends in 2-Week Prevalence of 10 or More Drinks in a Row by Population Density

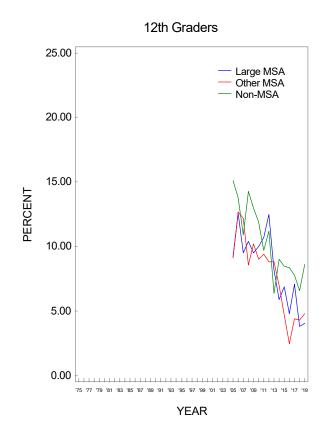
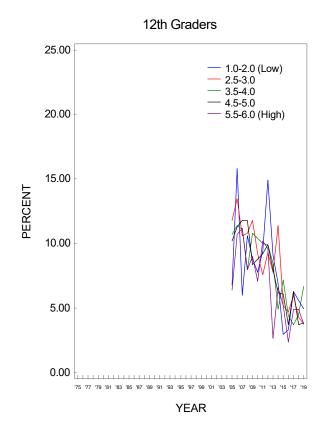
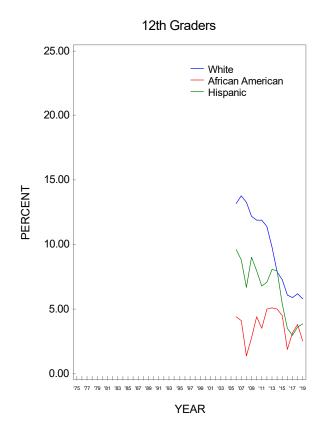


FIGURE 233
Binge Drinking: Trends in 2-Week Prevalence of 10 or More Drinks in a Row by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 234
Binge Drinking: Trends in 2-Week Prevalence of 10 or More Drinks in a Row by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 235
Binge Drinking: Trends in 2-Week Prevalence of 15 or More Drinks in a Row by Gender

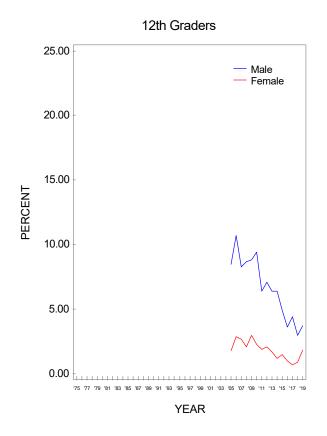


FIGURE 236
Binge Drinking: Trends in 2-Week Prevalence of 15 or More Drinks in a Row by College Plans

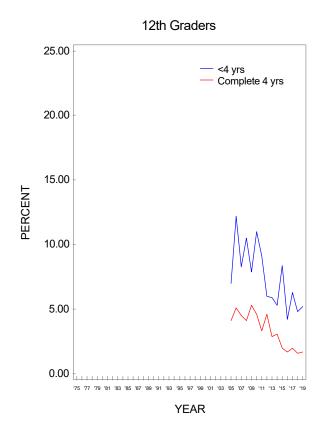


FIGURE 237
Binge Drinking: Trends in 2-Week Prevalence of 15 or More Drinks in a Row by Region

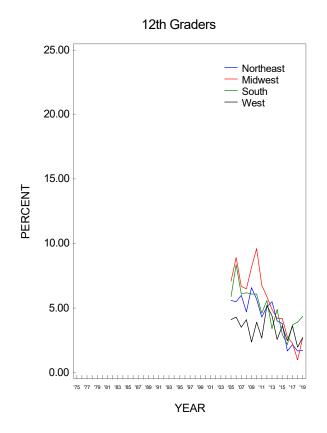


FIGURE 238
Binge Drinking: Trends in 2-Week Prevalence of 15 or More Drinks in a Row by Population Density

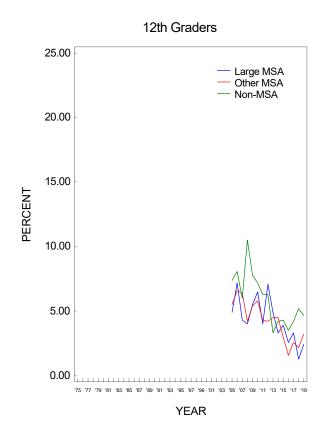
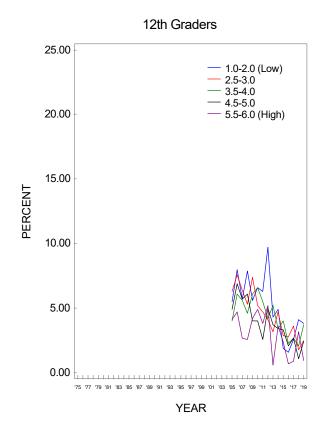
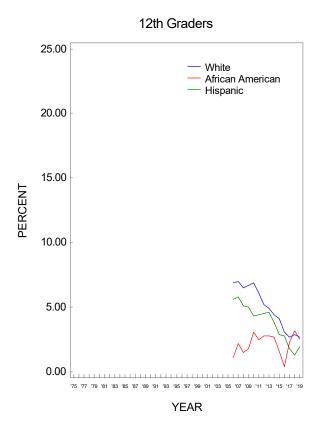


FIGURE 239
Binge Drinking: Trends in 2-Week Prevalence of 15 or More Drinks in a Row by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 240
Binge Drinking: Trends in 2-Week Prevalence of 15 or More Drinks in a Row by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 241
Beer: Trends in 30-Day Prevalence by Gender

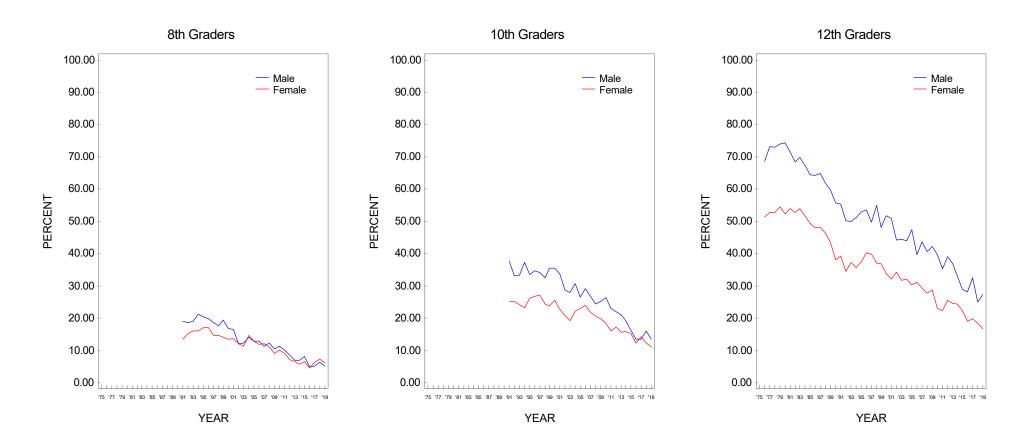


FIGURE 242
Beer: Trends in 30-Day Prevalence by College Plans

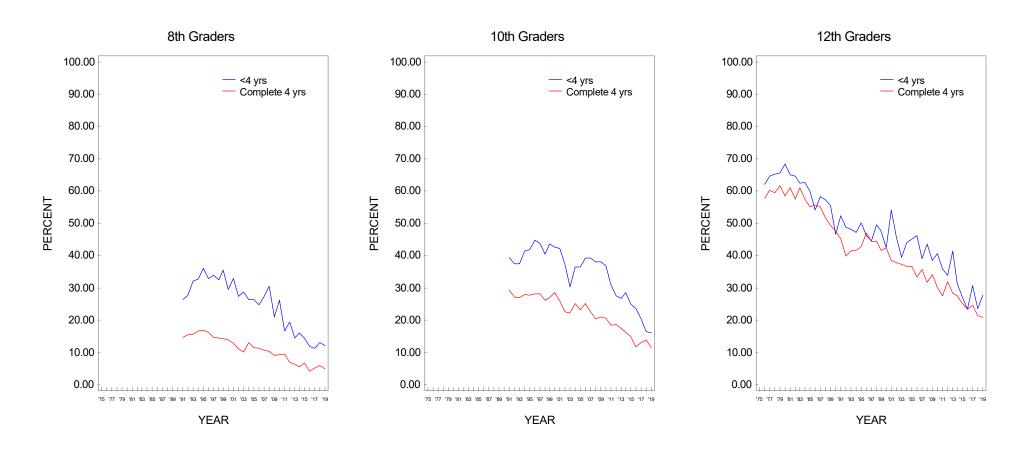


FIGURE 243
Beer: Trends in 30-Day Prevalence by Region

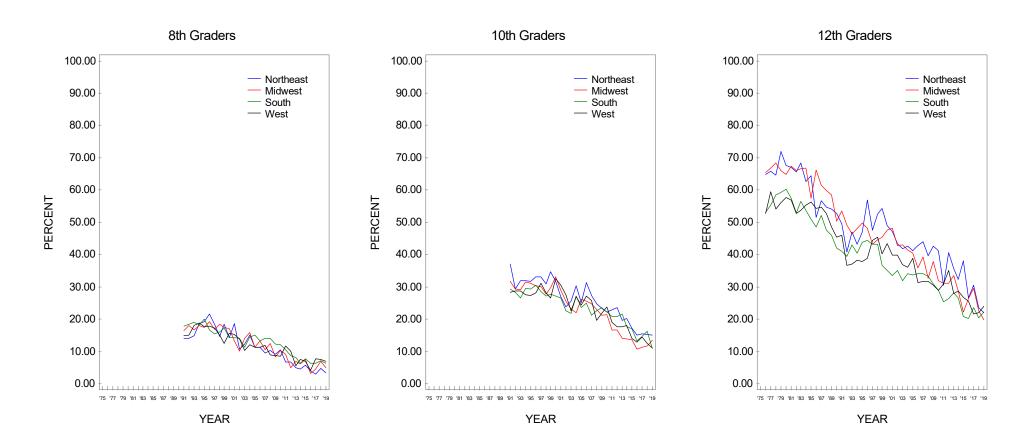


FIGURE 244
Beer: Trends in 30-Day Prevalence by Population Density

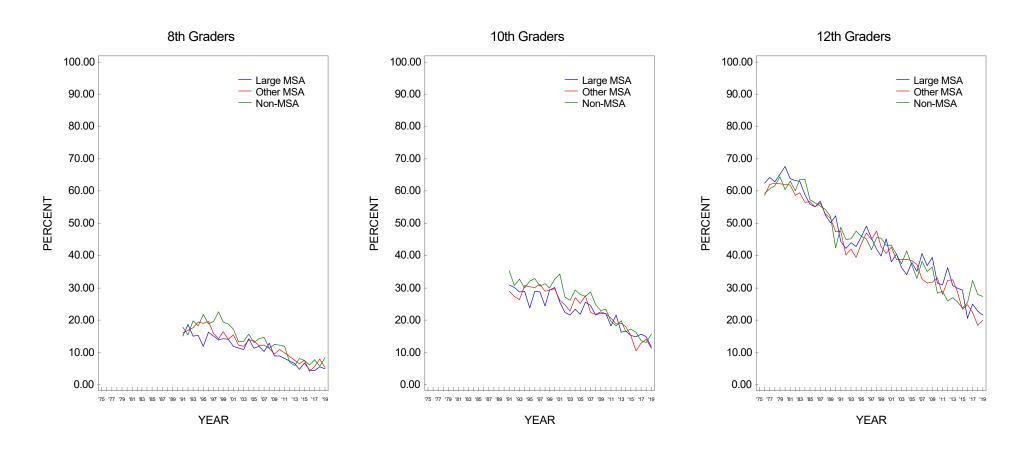
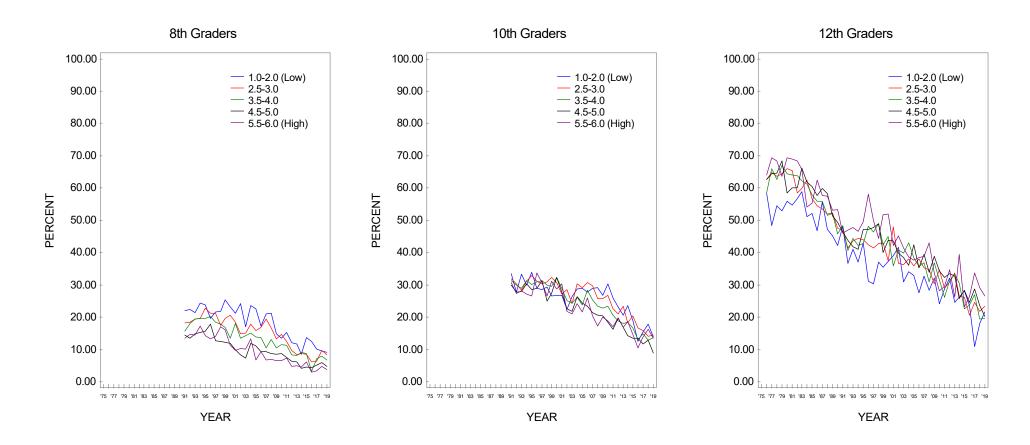
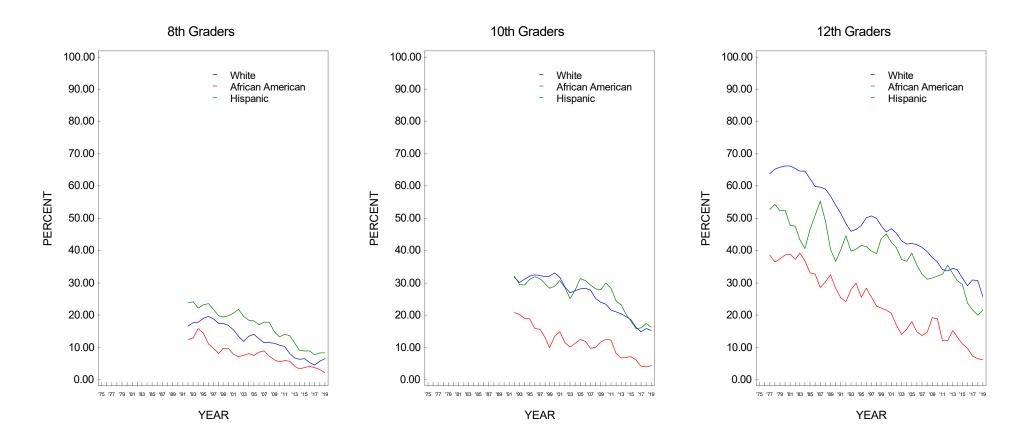


FIGURE 245
Beer: Trends in 30-Day Prevalence by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 246
Beer: Trends in 30-Day Prevalence by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 247
Beer: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Gender

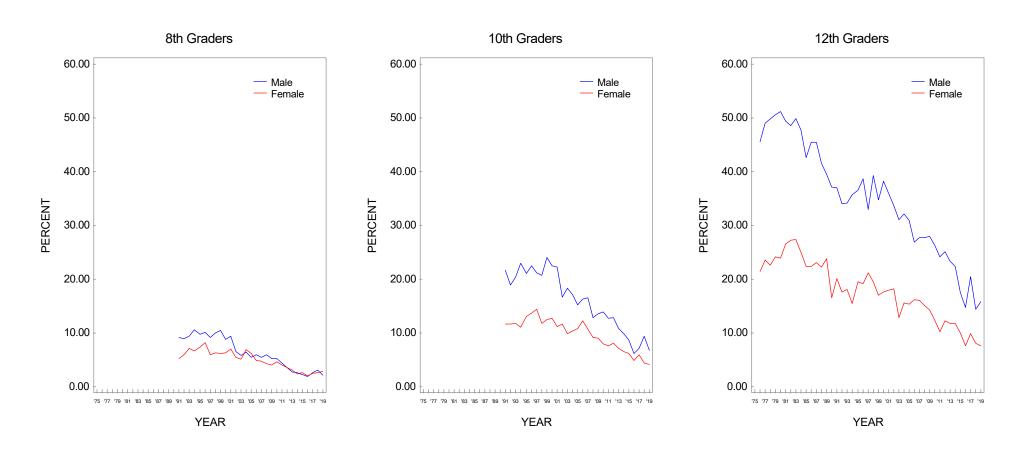


FIGURE 248
Beer: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by College Plans

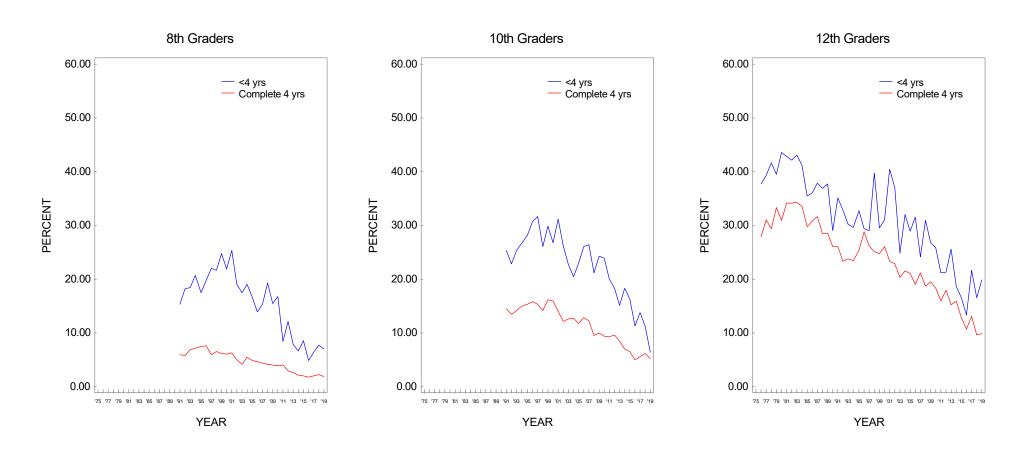


FIGURE 249
Beer: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Region

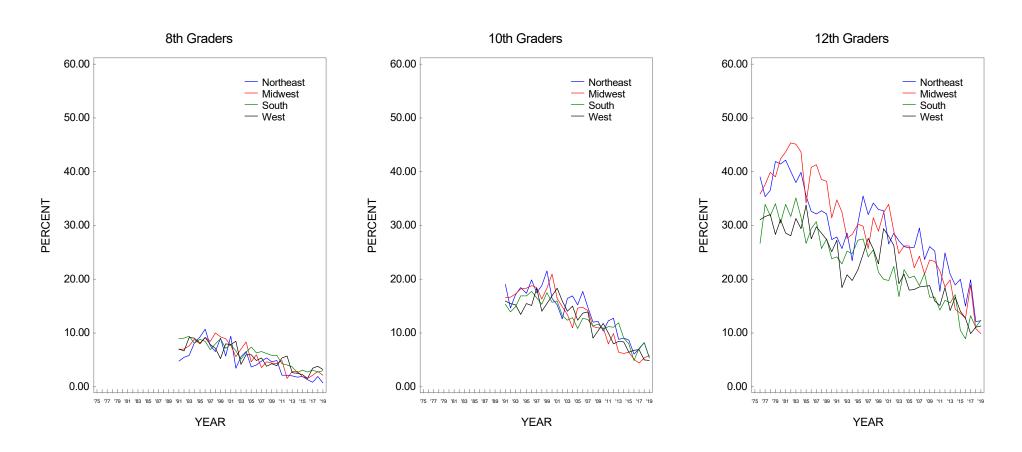


FIGURE 250
Beer: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Population Density

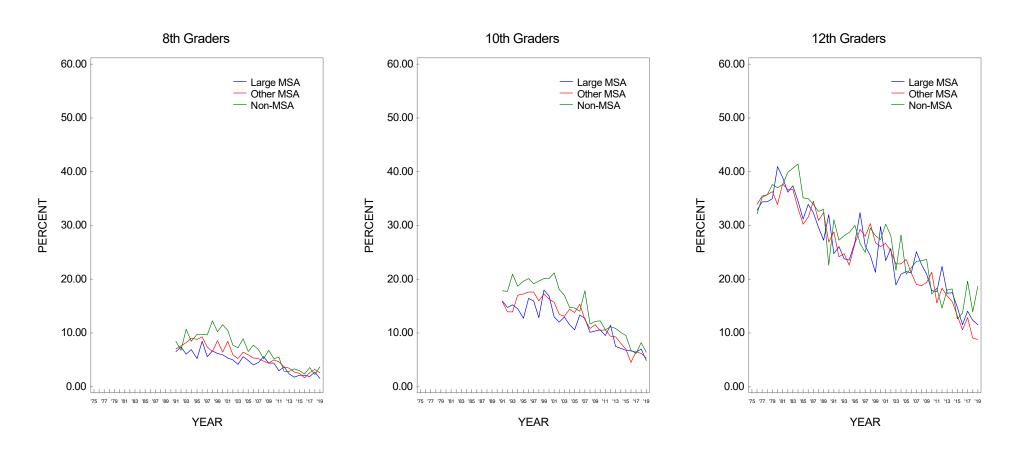
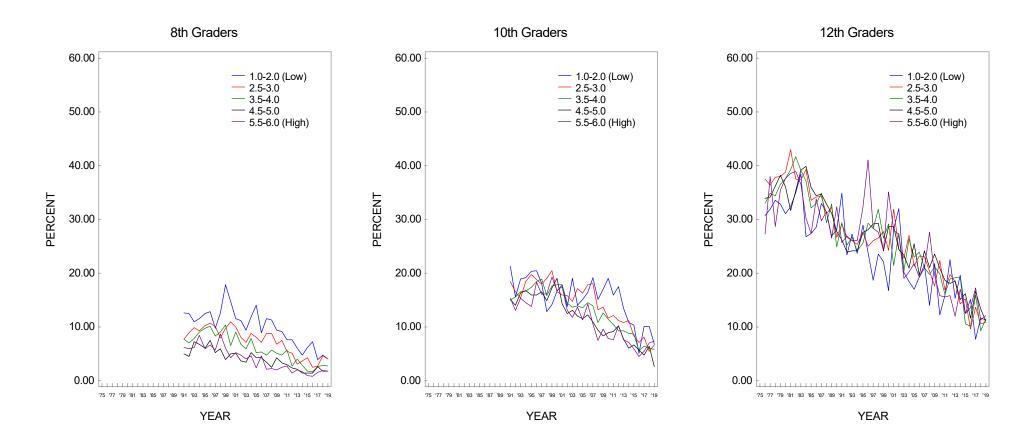
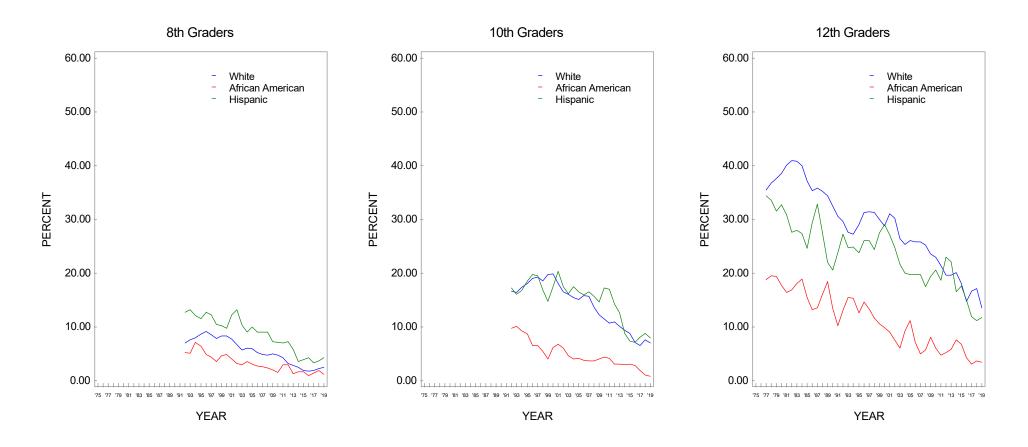


FIGURE 251
Beer: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 252
Beer: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 253 Liquor: Trends in 30-Day Prevalence by Gender

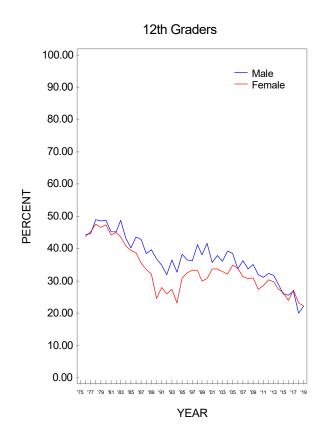


FIGURE 254 Liquor: Trends in 30-Day Prevalence by College Plans

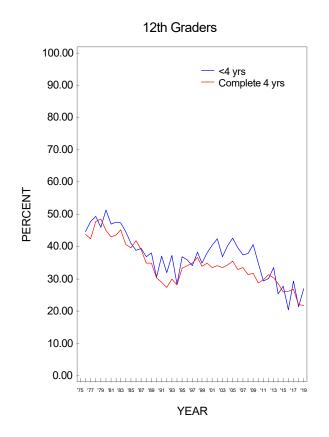


FIGURE 255 Liquor: Trends in 30-Day Prevalence by Region

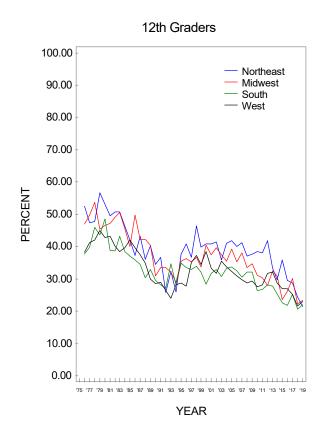


FIGURE 256
Liquor: Trends in 30-Day Prevalence by Population Density

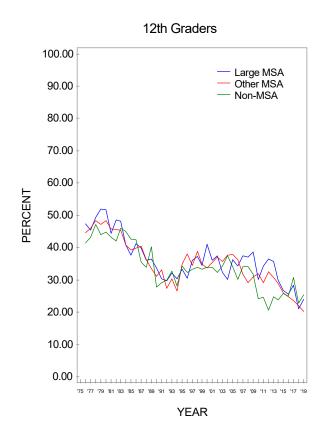
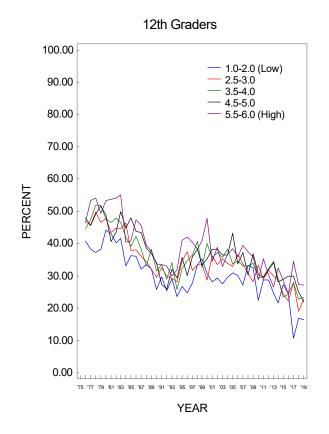
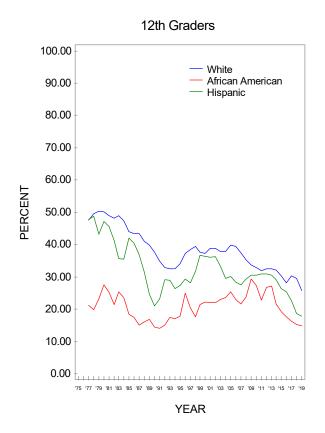


FIGURE 257
Liquor: Trends in 30-Day Prevalence by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 258
Liquor: Trends in 30-Day Prevalence by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 259
Liquor: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Gender

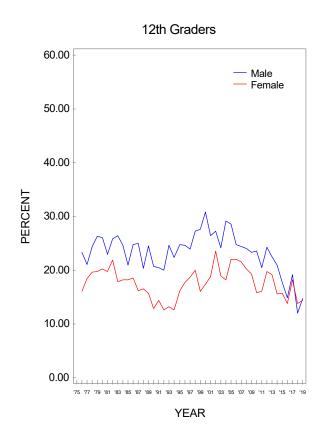


FIGURE 260 Liquor: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by College Plans

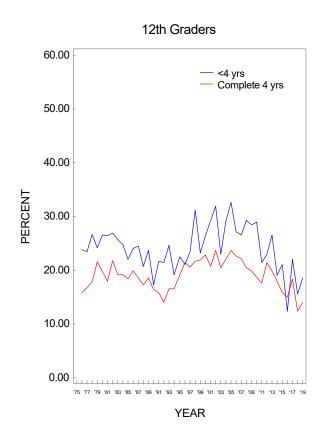


FIGURE 261
Liquor: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Region

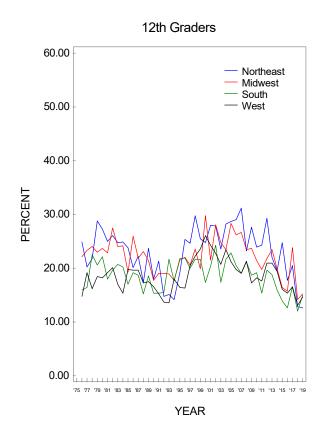


FIGURE 262 Liquor: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Population Density

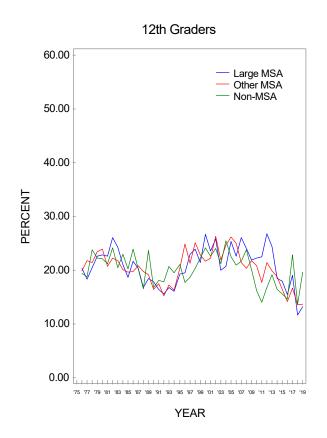
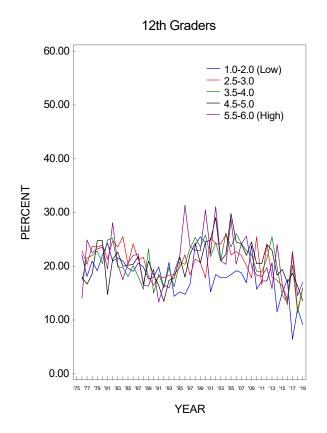
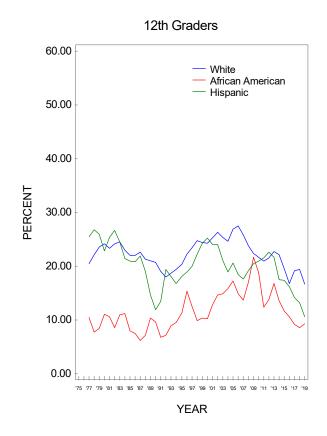


FIGURE 263
Liquor: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Average Education Level of Parents*



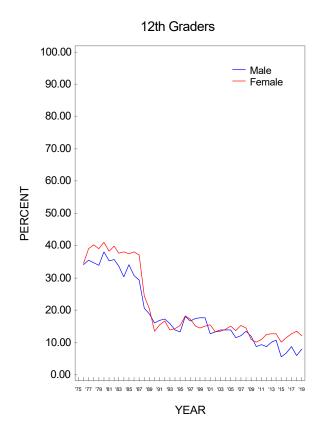
^{*}Parental education is an average score of mother's education and father's education.

FIGURE 264
Liquor: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

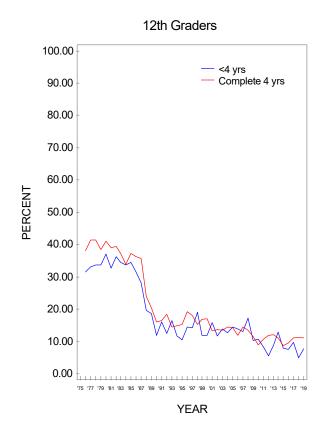
FIGURE 265 Wine:* Trends in 30-Day Prevalence by Gender



Source. The Monitoring the Future study, the University of Michigan.

*In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

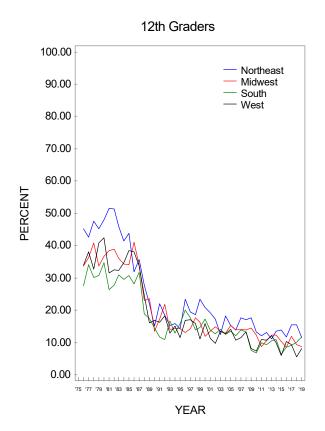
FIGURE 266 Wine:* Trends in 30-Day Prevalence by College Plans



Source. The Monitoring the Future study, the University of Michigan.

*In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

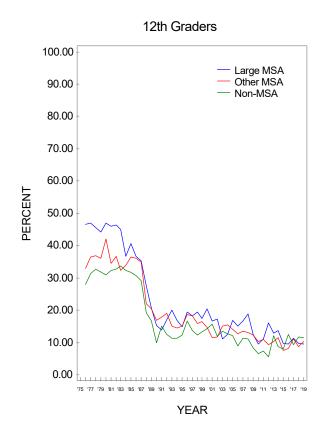
FIGURE 267 Wine:* Trends in 30-Day Prevalence by Region



Source. The Monitoring the Future study, the University of Michigan.

*In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

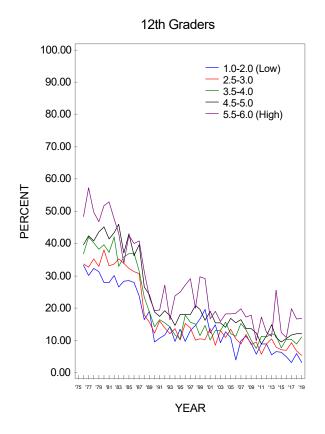
FIGURE 268 Wine:* Trends in 30-Day Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

*In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

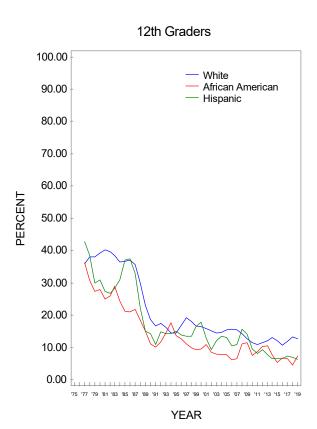
FIGURE 269
Wine:* Trends in 30-Day Prevalence by Average Education Level of Parents**



^{*}In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

^{**}Parental education is an average score of mother's education and father's education.

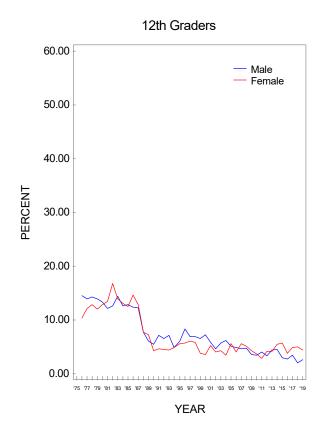
FIGURE 270 Wine:* Trends in 30-Day Prevalence by Race/Ethnicity**



^{*}In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

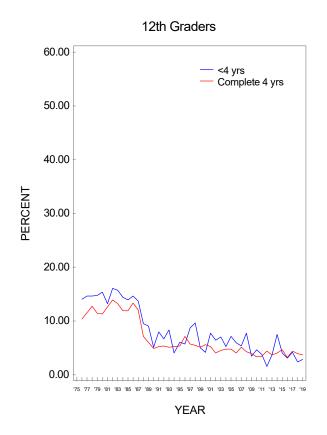
^{**}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 271
Wine:* Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Gender



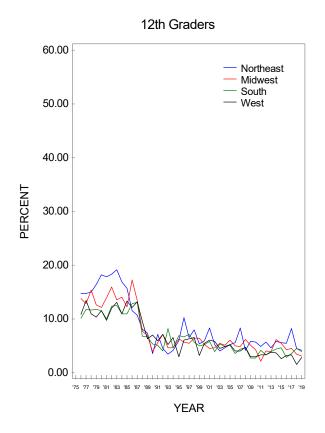
*In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

FIGURE 272 Wine:* Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by College Plans



^{*}In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

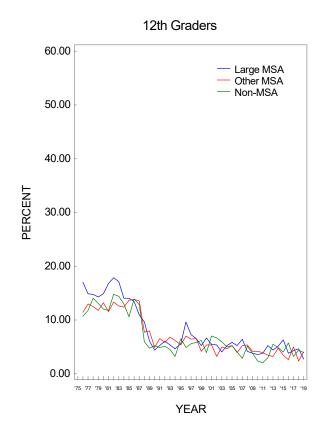
FIGURE 273 Wine:* Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Region



Source. The Monitoring the Future study, the University of Michigan.

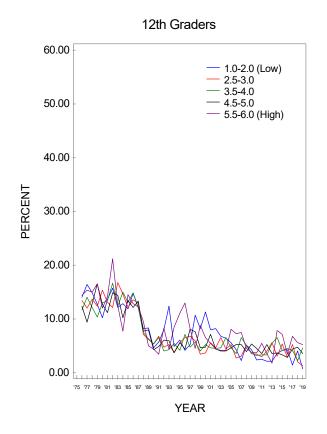
*In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

FIGURE 274
Wine:* Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Population Density



*In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

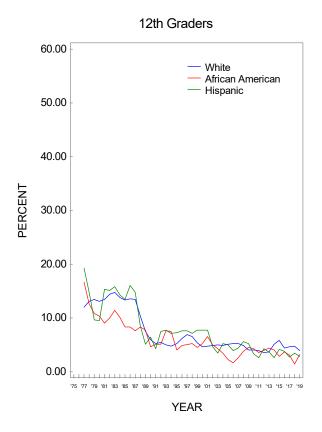
FIGURE 275
Wine:* Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Average Education Level of Parents**



^{*}In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

^{**}Parental education is an average score of mother's education and father's education.

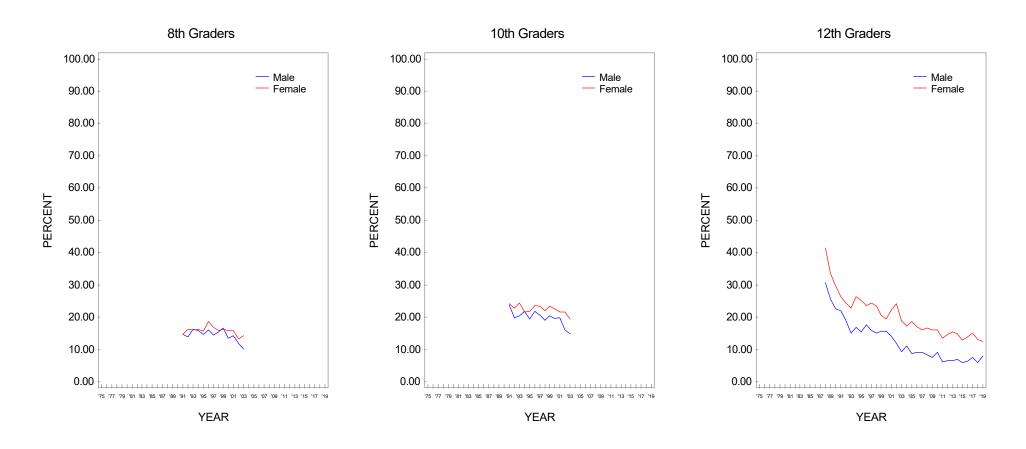
FIGURE 276
Wine:* Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Race/Ethnicity**



^{*}In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

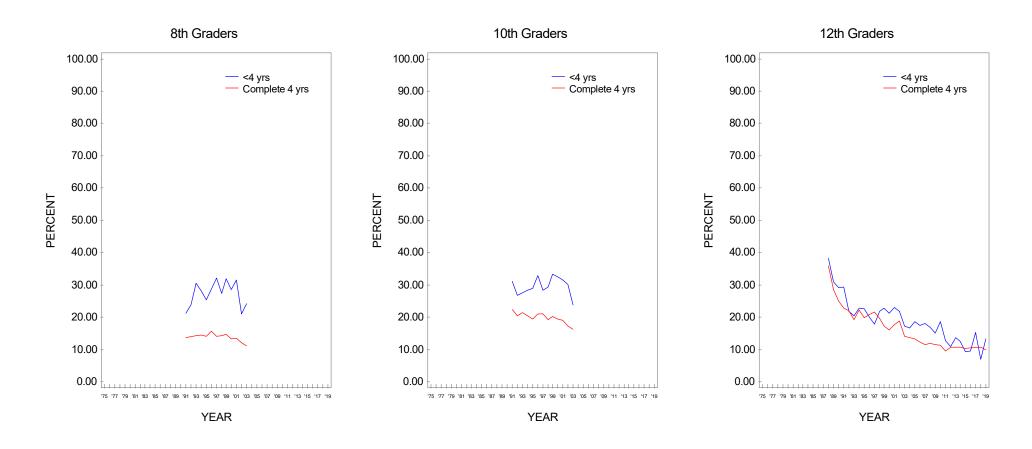
^{**}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 277
Wine Coolers:* Trends in 30-Day Prevalence by Gender



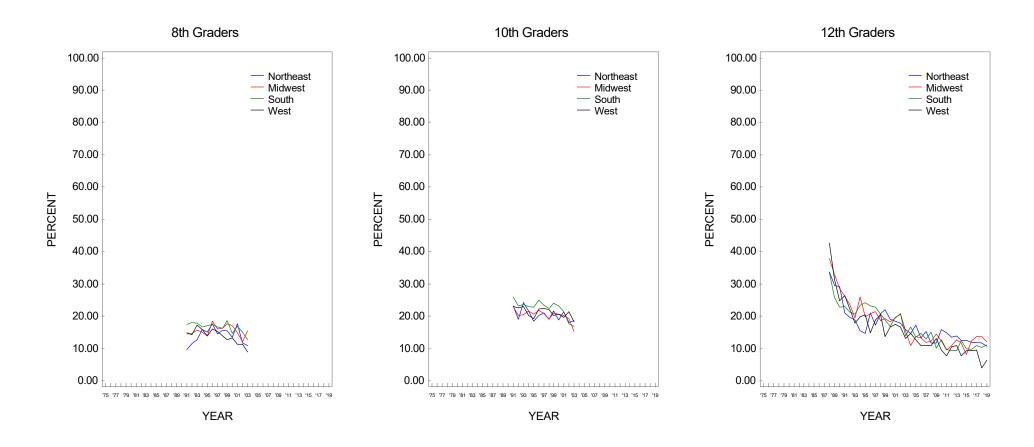
^{*}Question discontinued for 8th and 10th graders in 2004.

FIGURE 278
Wine Coolers:* Trends in 30-Day Prevalence by College Plans



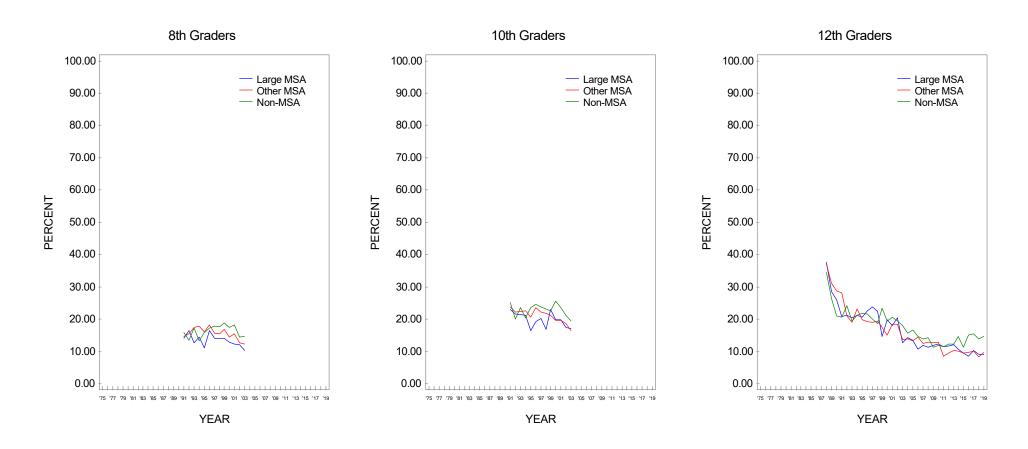
^{*}Question discontinued for 8th and 10th graders in 2004.

FIGURE 279
Wine Coolers:* Trends in 30-Day Prevalence by Region



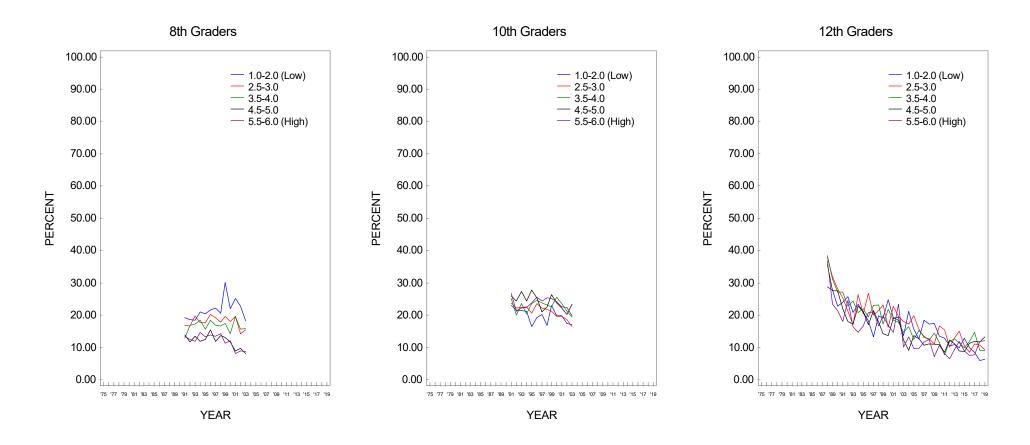
^{*}Question discontinued for 8th and 10th graders in 2004.

FIGURE 280
Wine Coolers:* Trends in 30-Day Prevalence by Population Density



^{*}Question discontinued for 8th and 10th graders in 2004.

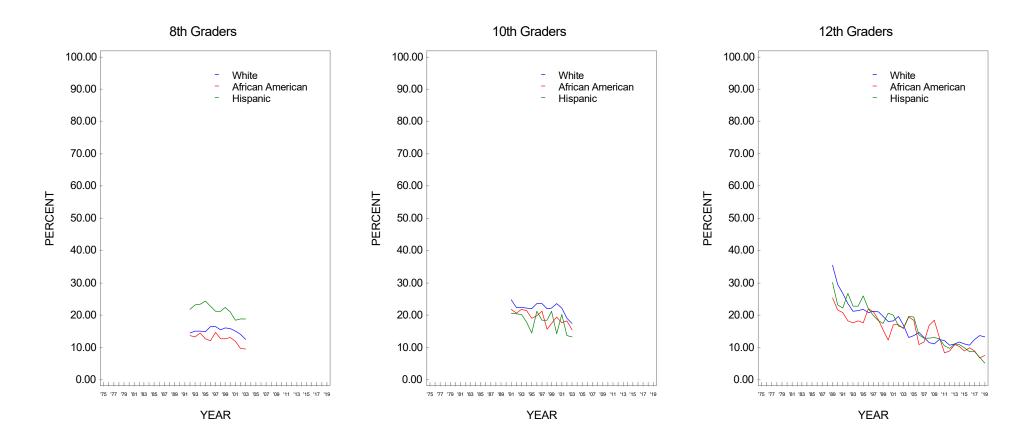
FIGURE 281
Wine Coolers:* Trends in 30-Day Prevalence by Average Education Level of Parents**



^{*}Question discontinued for 8th and 10th graders in 2004.

^{**}Parental education is an average score of mother's education and father's education.

FIGURE 282
Wine Coolers:* Trends in 30-Day Prevalence by Race/Ethnicity**



^{*}Question discontinued for 8th and 10th graders in 2004.

^{**}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 283
Wine Coolers: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Gender

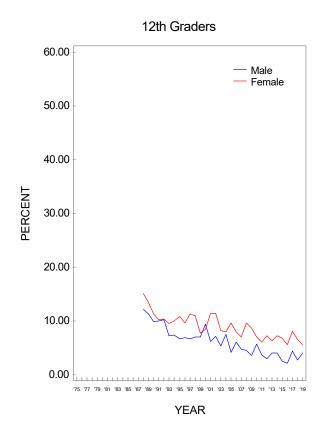


FIGURE 284
Wine Coolers: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by College Plans

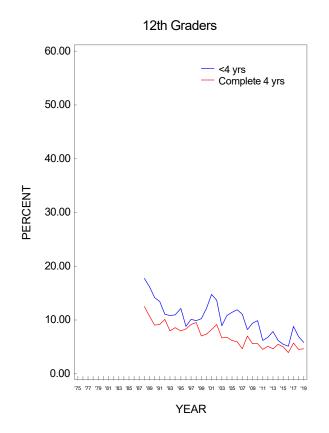


FIGURE 285
Wine Coolers: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Region

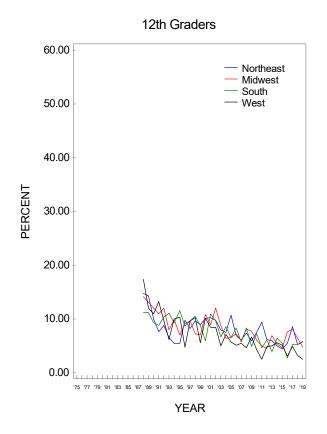


FIGURE 286
Wine Coolers: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Population Density

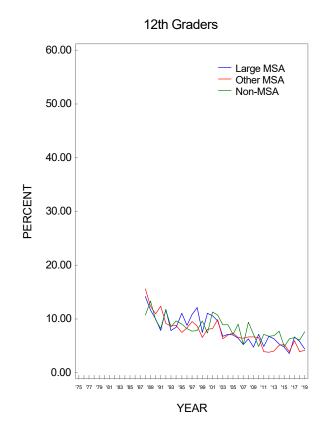
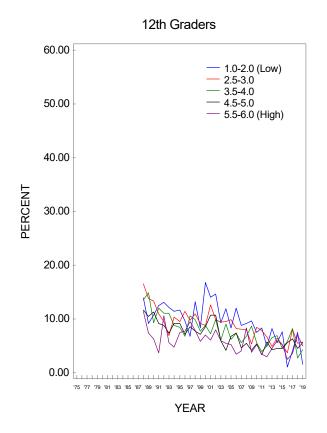
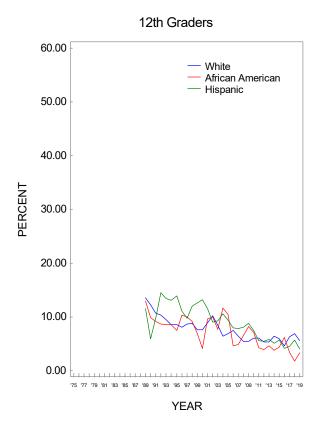


FIGURE 287
Wine Coolers: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 288
Wine Coolers: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 289
Flavored Alcoholic Beverages: Trends in 30-Day Prevalence by Gender

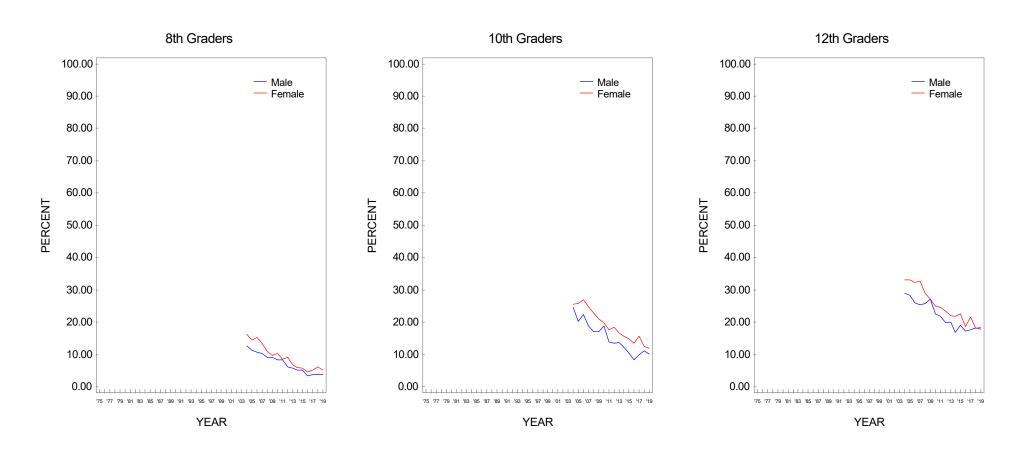


FIGURE 290
Flavored Alcoholic Beverages: Trends in 30-Day Prevalence by College Plans

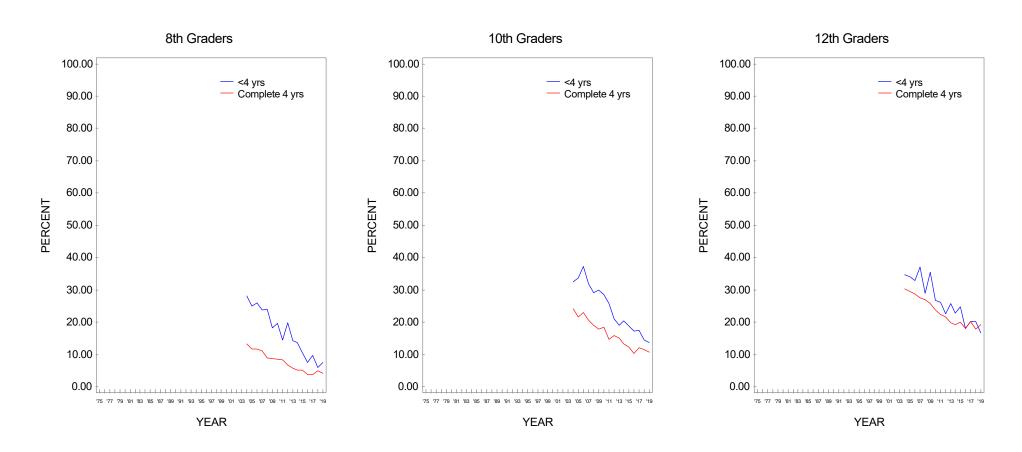


FIGURE 291
Flavored Alcoholic Beverages: Trends in 30-Day Prevalence by Region

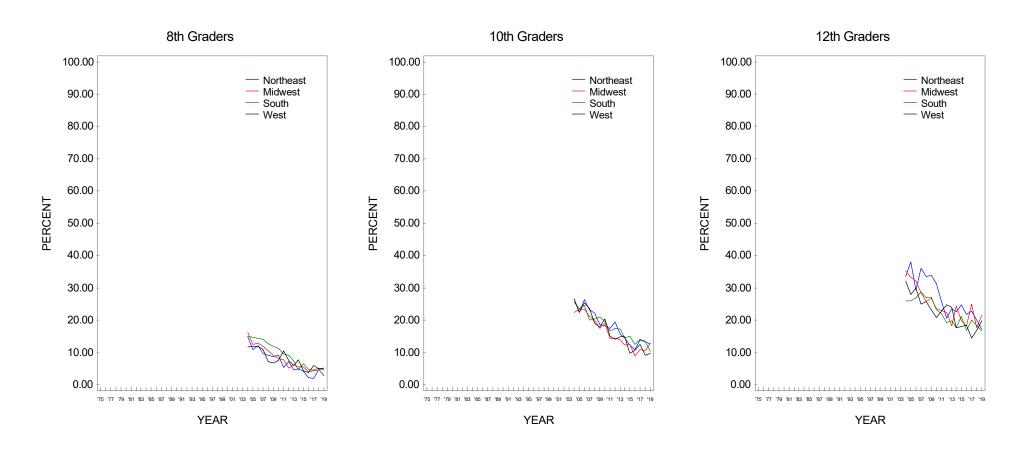


FIGURE 292
Flavored Alcoholic Beverages: Trends in 30-Day Prevalence by Population Density

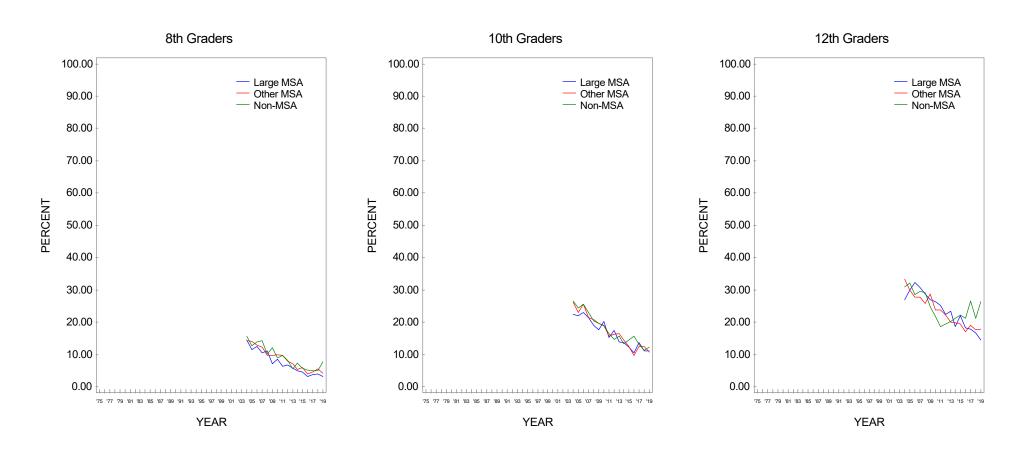
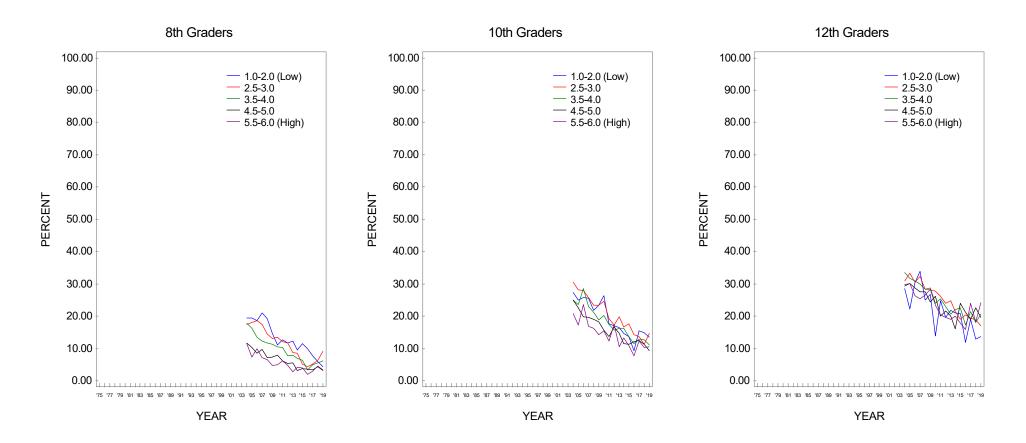
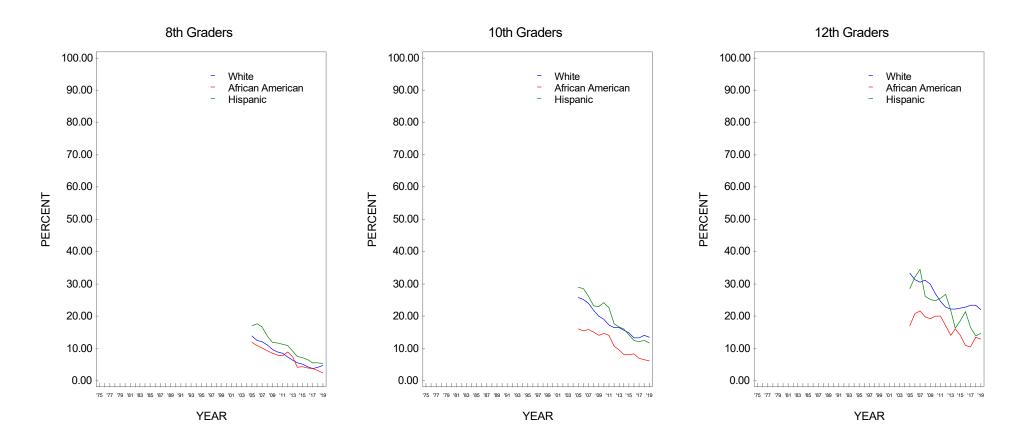


FIGURE 293
Flavored Alcoholic Beverages: Trends in 30-Day Prevalence by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 294
Flavored Alcoholic Beverages: Trends in 30-Day Prevalence by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 295
Alcoholic Beverages containing Caffeine: Trends in Annual Prevalence by Gender

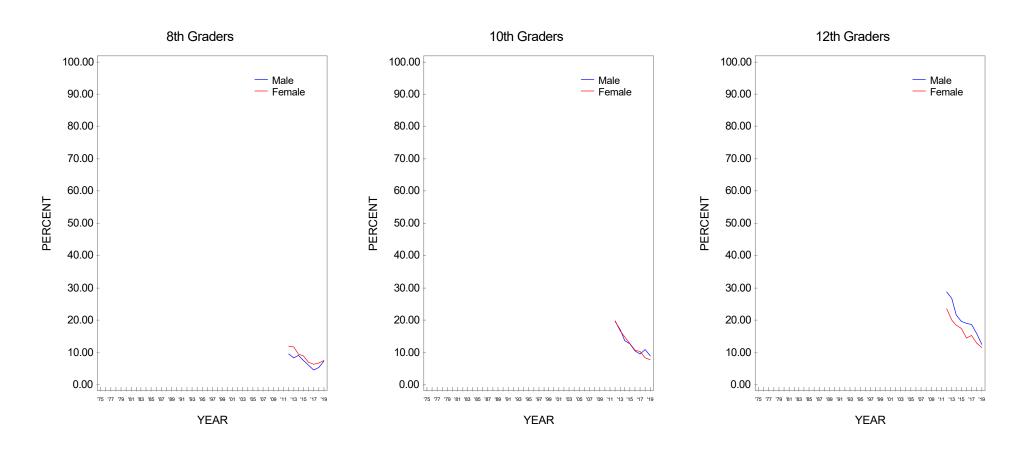


FIGURE 296
Alcoholic Beverages containing Caffeine: Trends in Annual Prevalence by College Plans

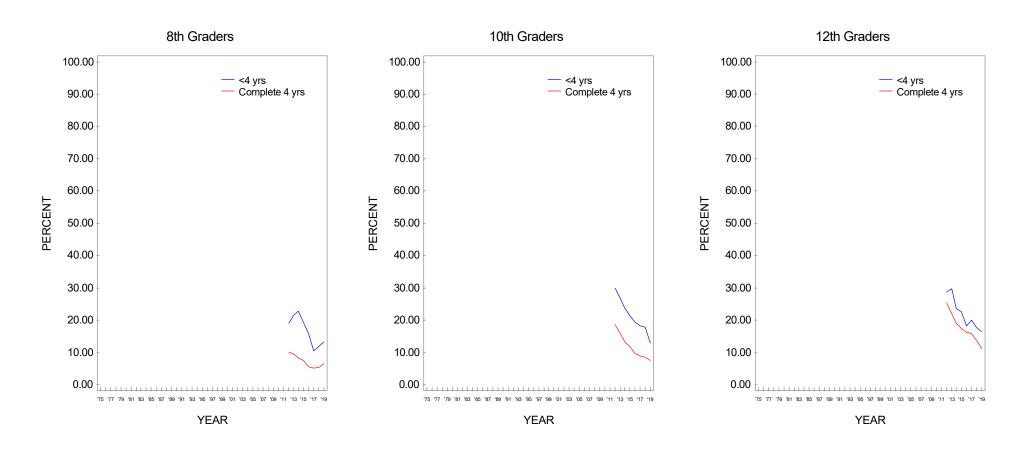


FIGURE 297
Alcoholic Beverages containing Caffeine: Trends in Annual Prevalence by Region

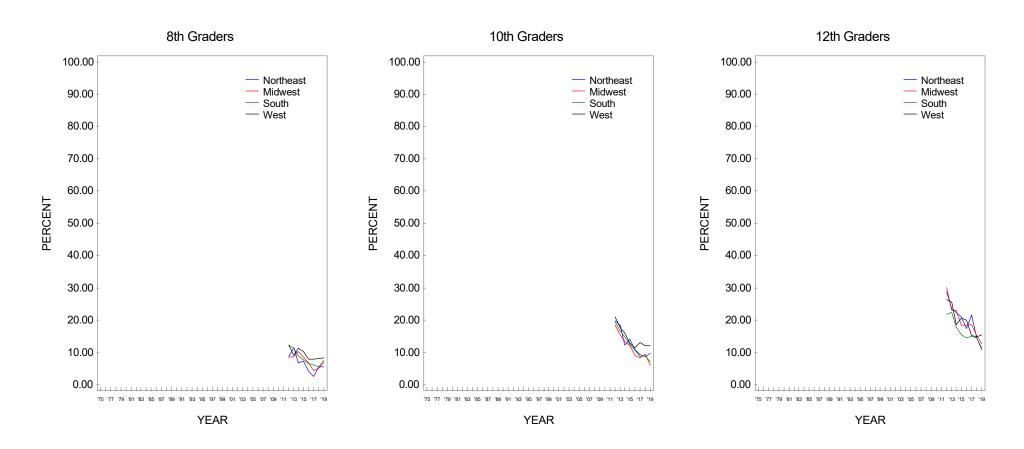


FIGURE 298
Alcoholic Beverages containing Caffeine: Trends in Annual Prevalence by Population Density

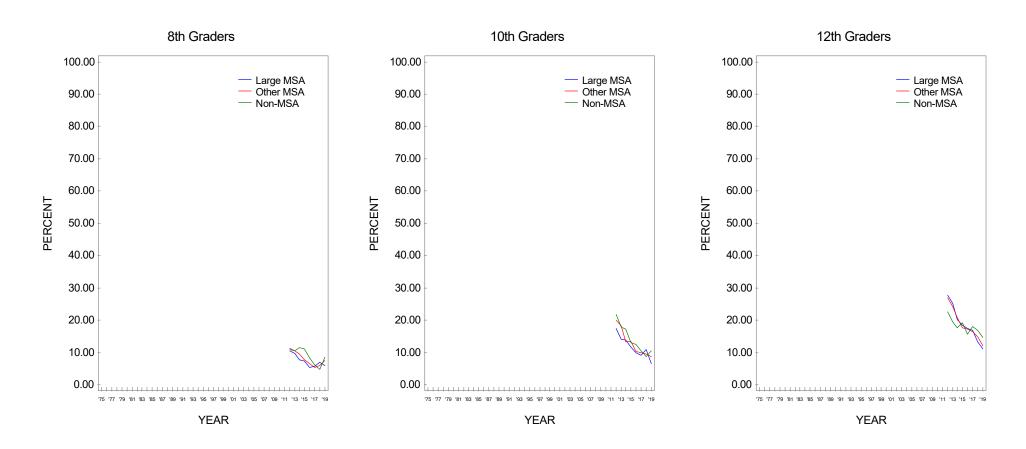
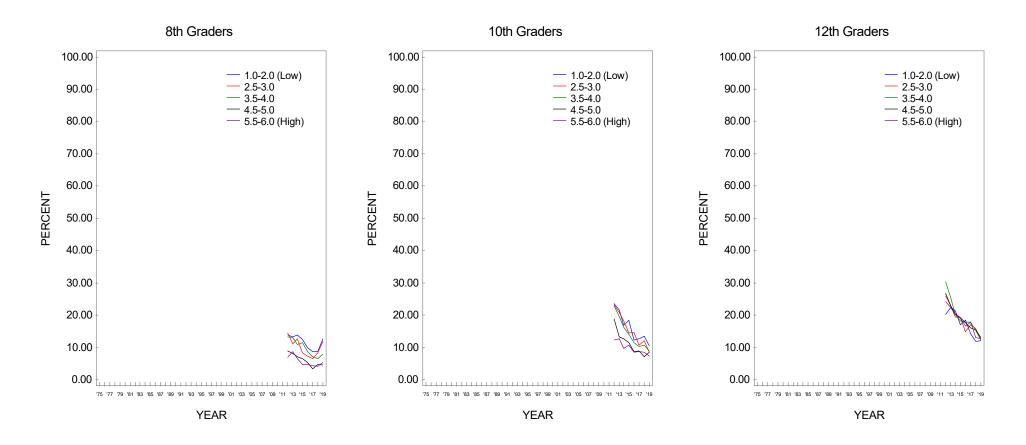
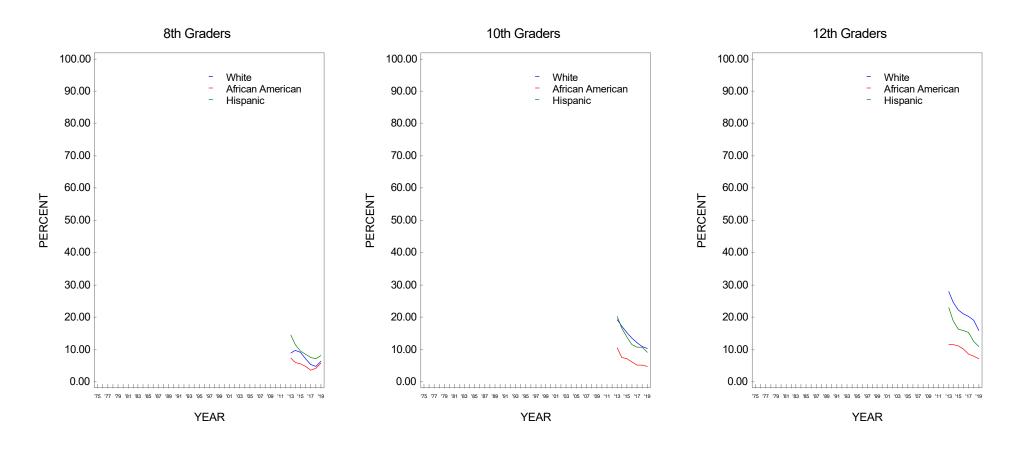


FIGURE 299
Alcoholic Beverages containing Caffeine: Trends in Annual Prevalence by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 300
Alcoholic Beverages containing Caffeine: Trends in Annual Prevalence by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 301 Cigarettes: Trends in 30-Day Prevalence by Gender

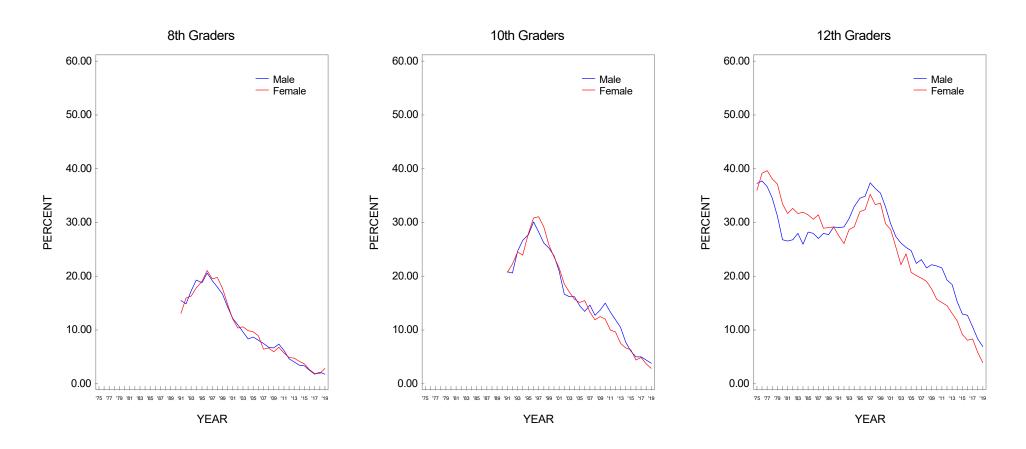


FIGURE 302 Cigarettes: Trends in 30-Day Prevalence by College Plans

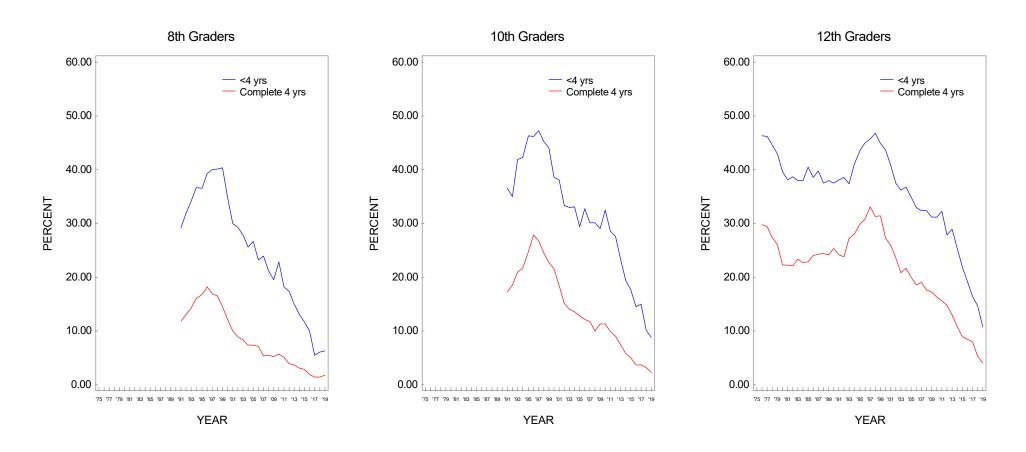


FIGURE 303 Cigarettes: Trends in 30-Day Prevalence by Region

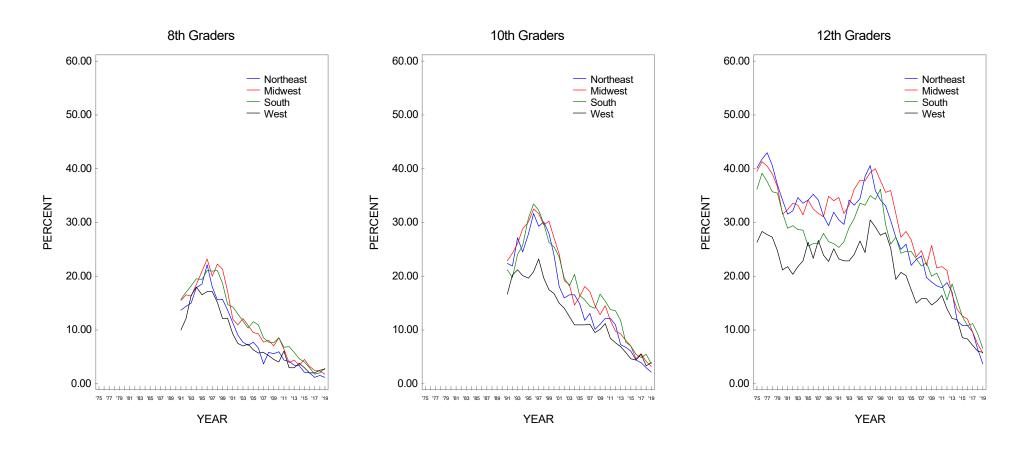


FIGURE 304 Cigarettes: Trends in 30-Day Prevalence by Population Density

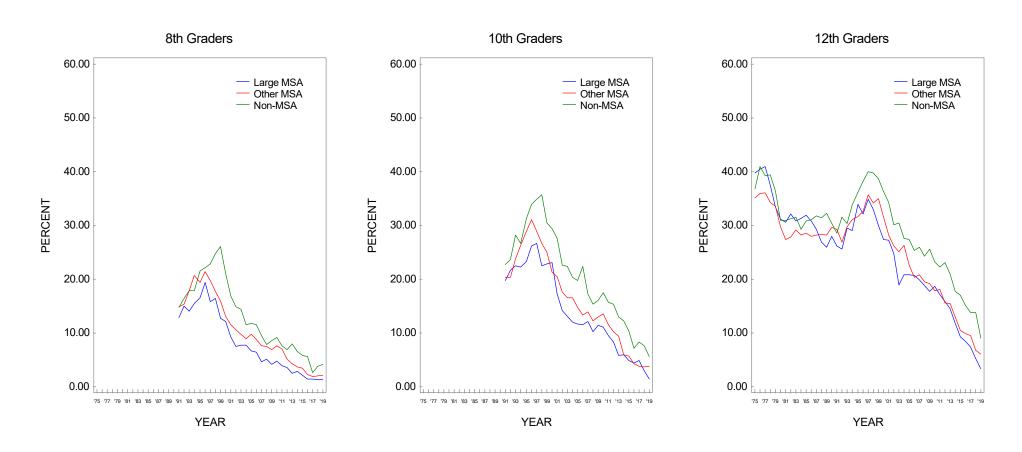
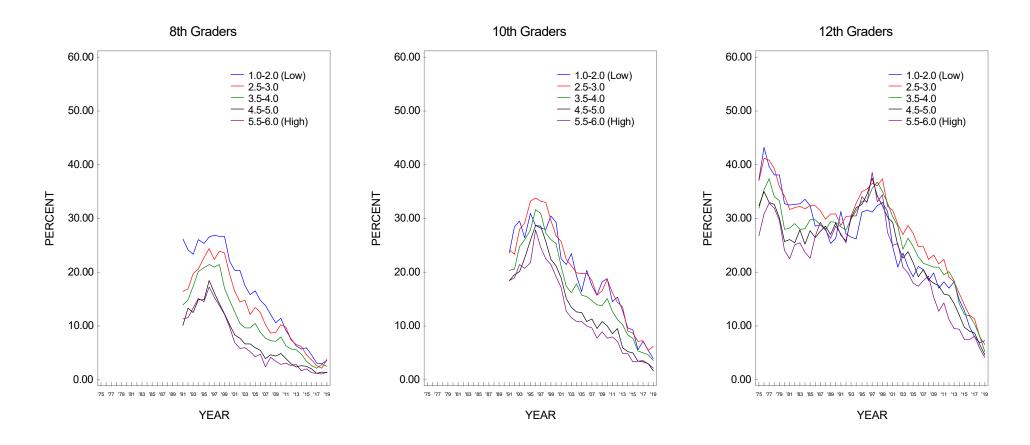
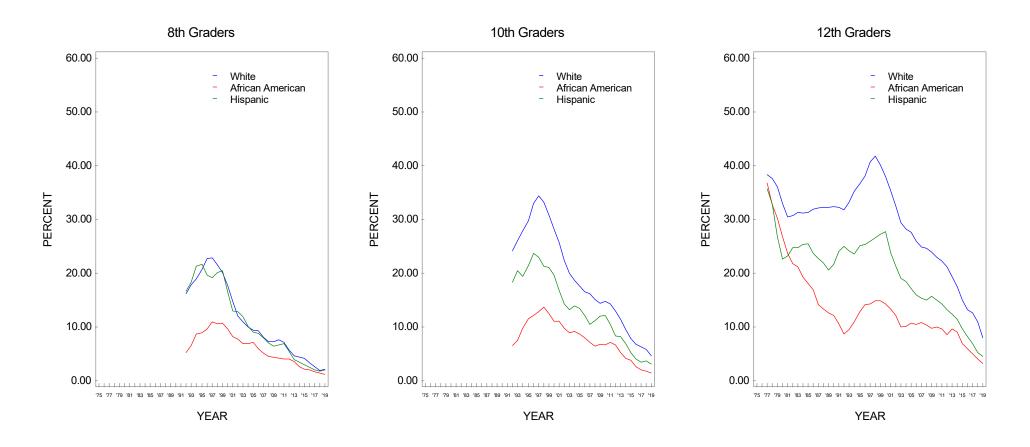


FIGURE 305
Cigarettes: Trends in 30-Day Prevalence by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 306 Cigarettes: Trends in 30-Day Prevalence by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 307 Cigarettes: Trends in 30-Day Prevalence of Daily Use by Gender

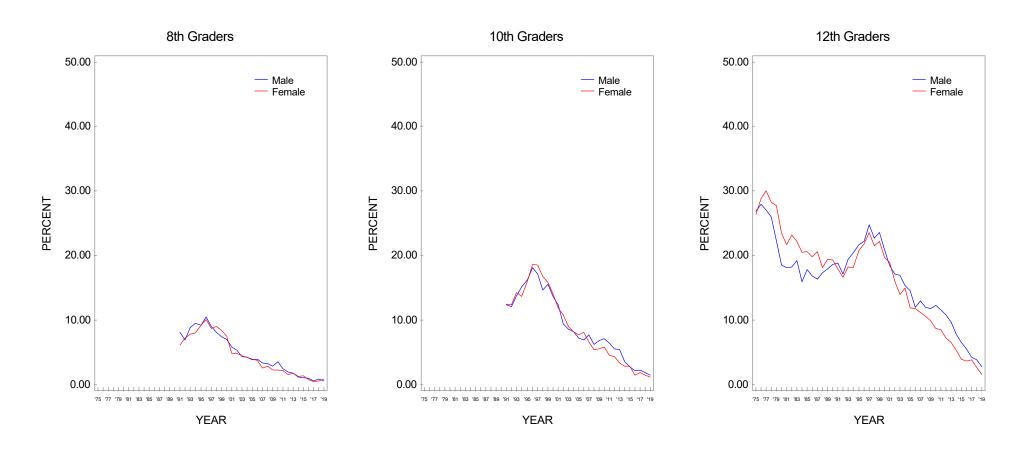


FIGURE 308 Cigarettes: Trends in 30-Day Prevalence of Daily Use by College Plans

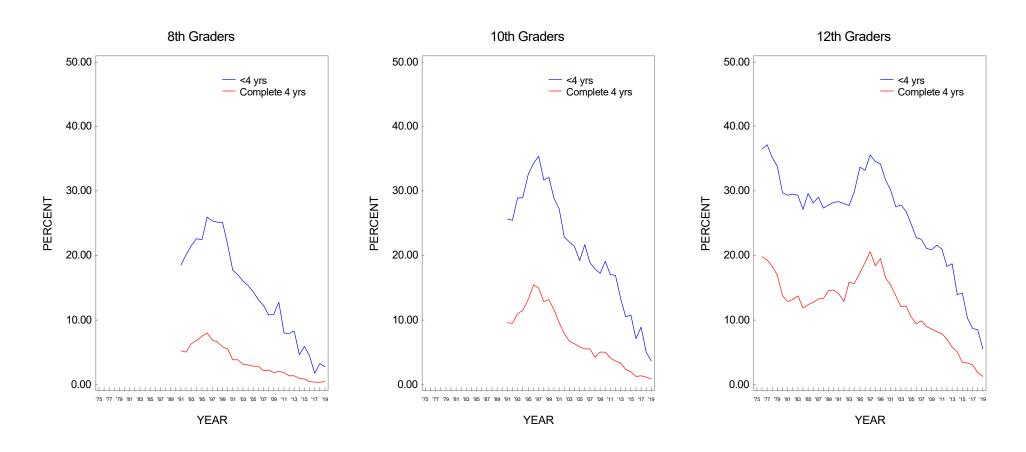


FIGURE 309 Cigarettes: Trends in 30-Day Prevalence of Daily Use by Region

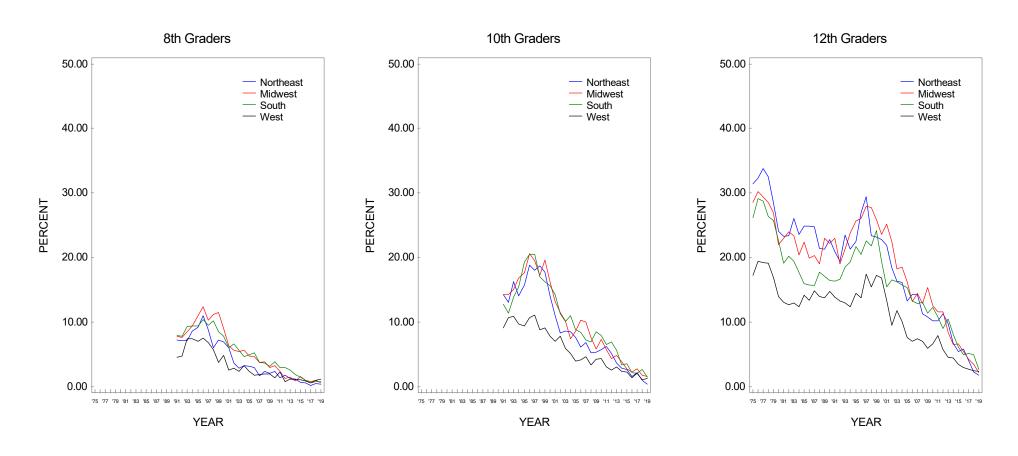


FIGURE 310 Cigarettes: Trends in 30-Day Prevalence of Daily Use by Population Density

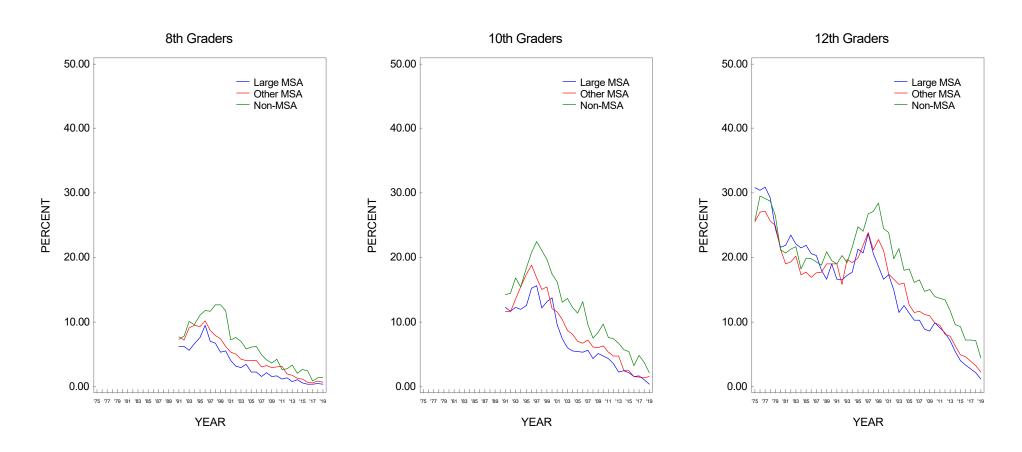
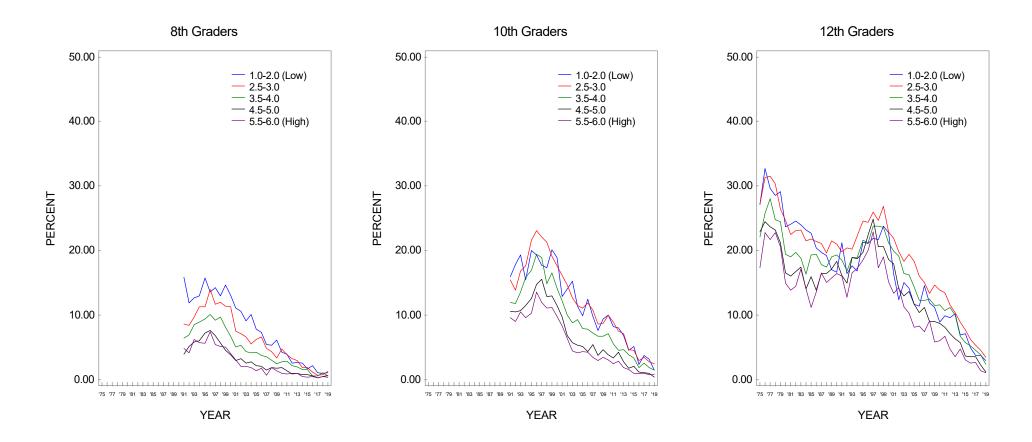
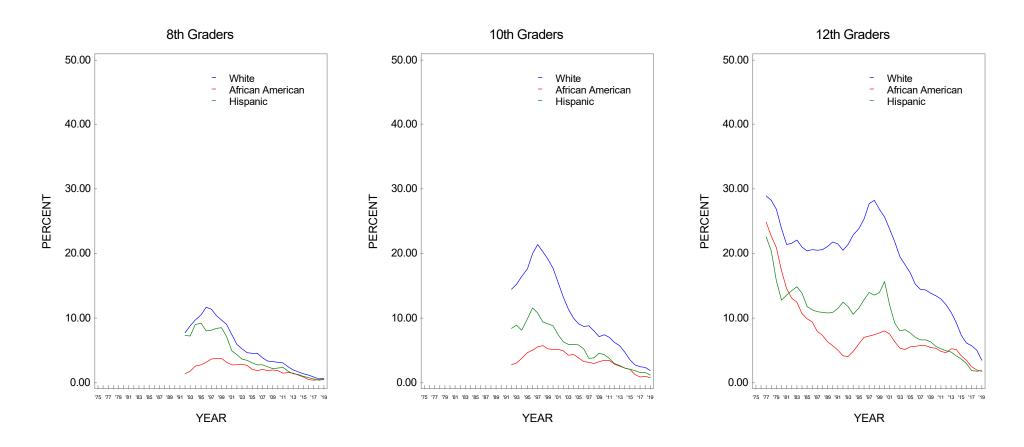


FIGURE 311 Cigarettes: Trends in 30-Day Prevalence of Daily Use by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 312 Cigarettes: Trends in 30-Day Prevalence of Daily Use by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 313 Cigarettes: Trends in 30-Day Prevalence of Use of Half Pack a Day or More by Gender

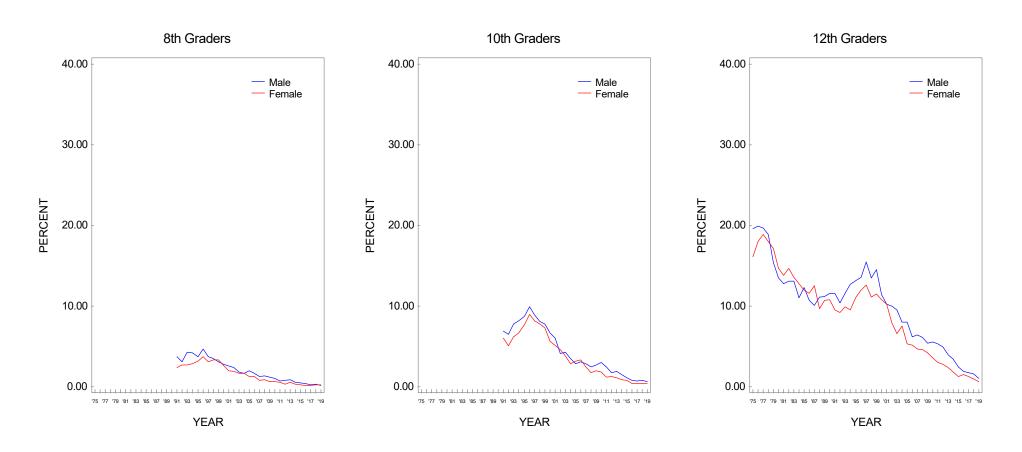


FIGURE 314 Cigarettes: Trends in 30-Day Prevalence of Use of Half Pack a Day or More by College Plans

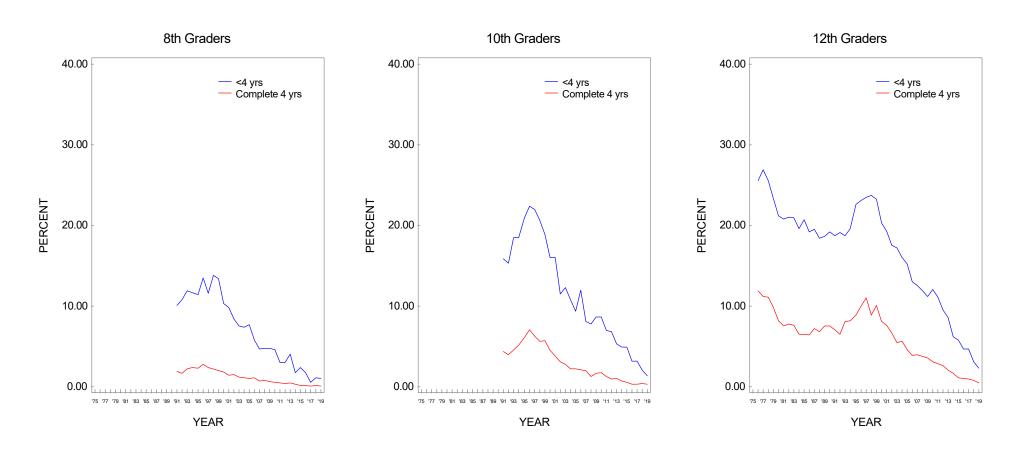


FIGURE 315 Cigarettes: Trends in 30-Day Prevalence of Use of Half Pack a Day or More by Region

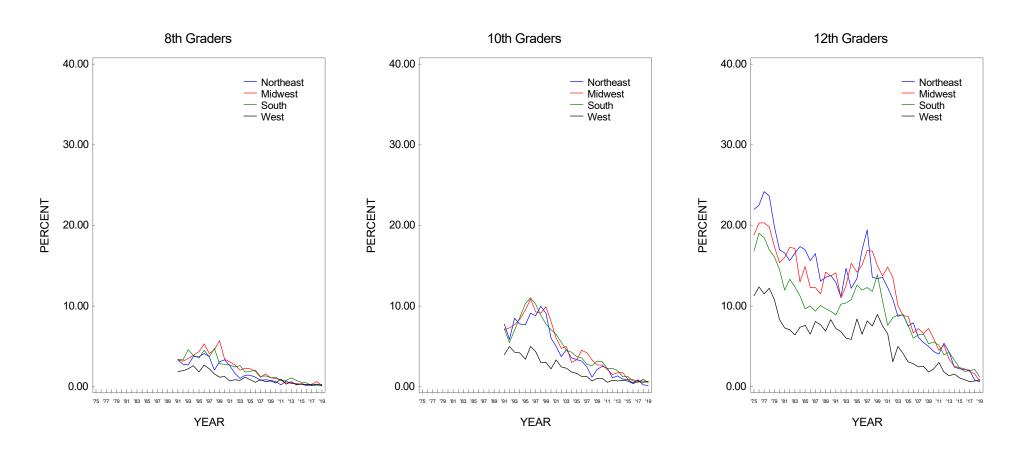


FIGURE 316
Cigarettes: Trends in 30-Day Prevalence of Use of Half Pack a Day or More by Population Density

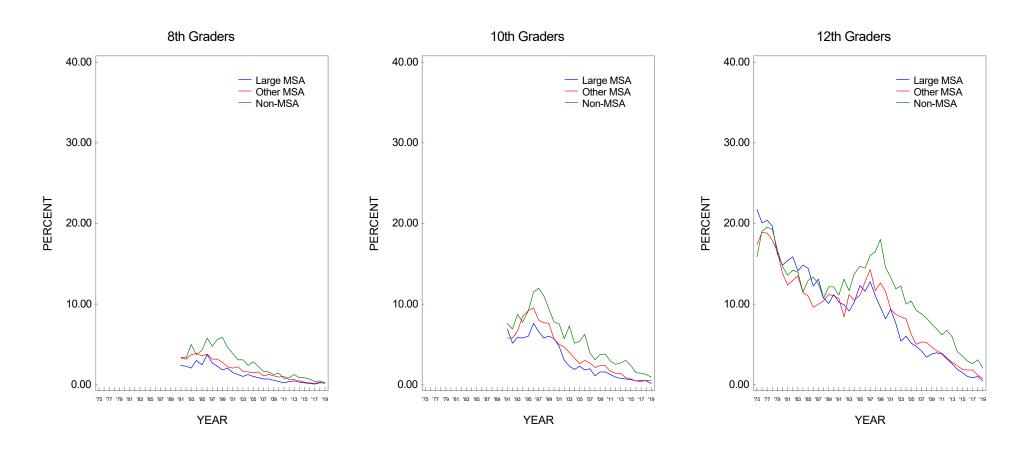
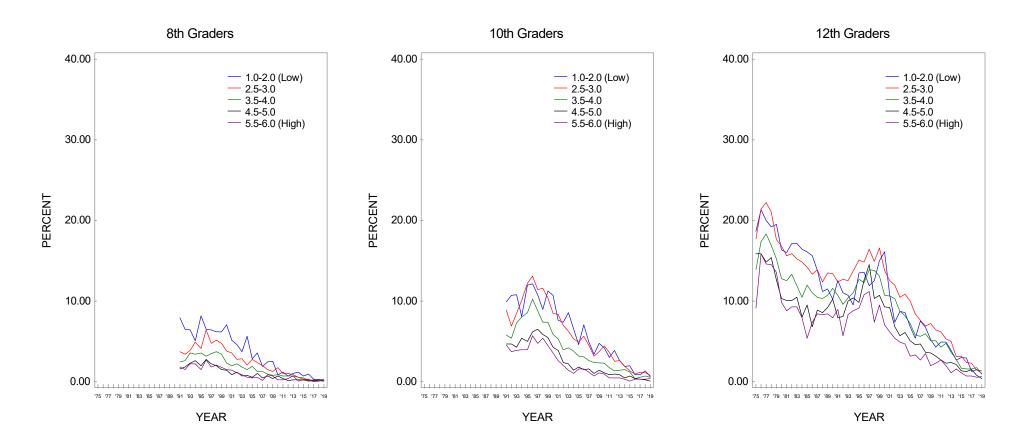
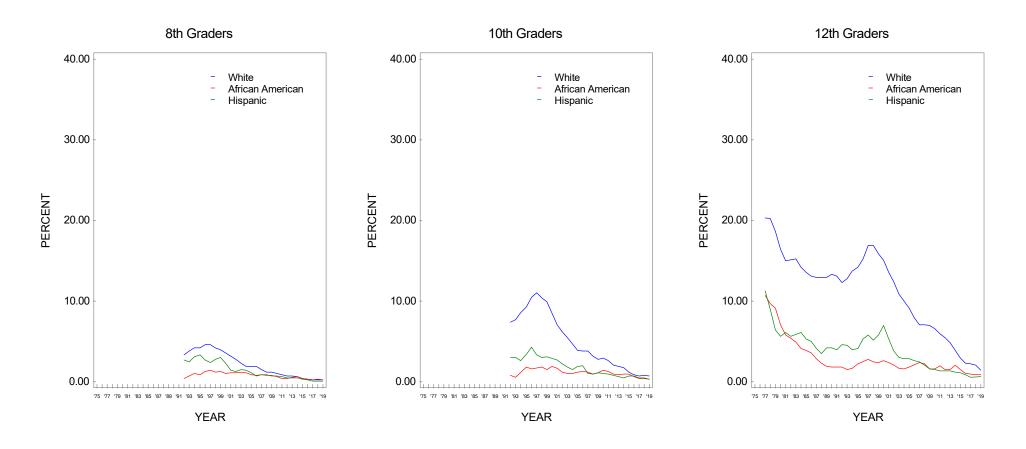


FIGURE 317 Cigarettes: Trends in 30-Day Prevalence of Use of Half Pack a Day or More by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 318
Cigarettes: Trends in 30-Day Prevalence of Use of Half Pack a Day or More by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 319
Tobacco using a Hookah: Trends in Annual Prevalence by Gender

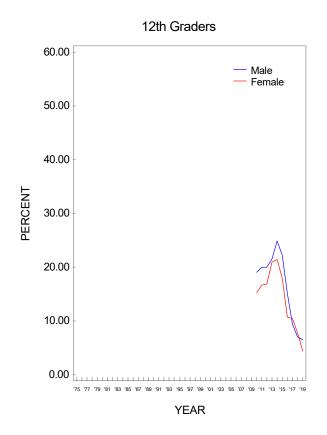


FIGURE 320
Tobacco using a Hookah: Trends in Annual Prevalence by College Plans

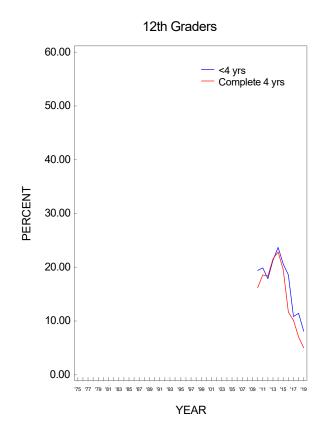


FIGURE 321
Tobacco using a Hookah: Trends in Annual Prevalence by Region

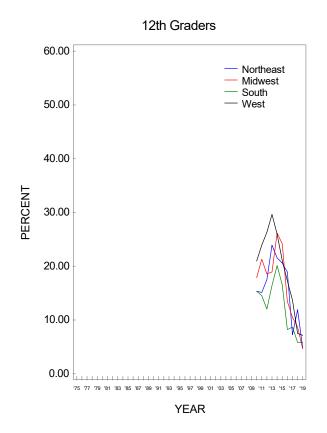


FIGURE 322
Tobacco using a Hookah: Trends in Annual Prevalence by Population Density

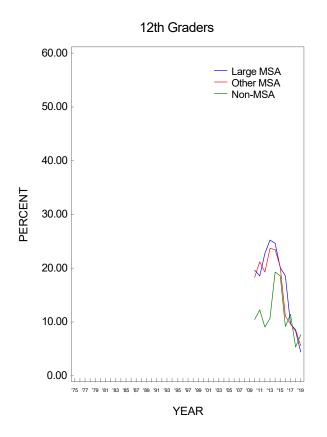
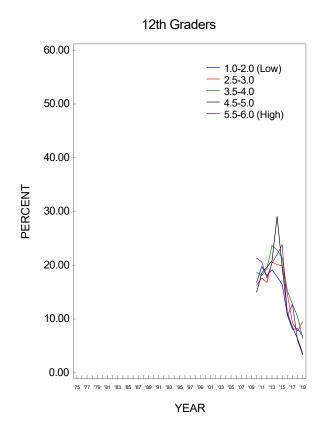
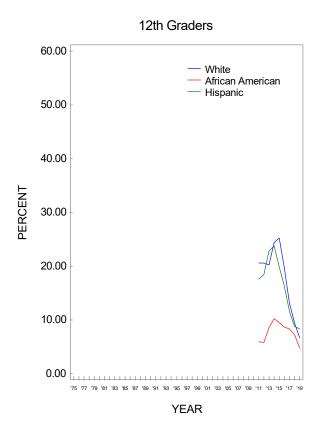


FIGURE 323
Tobacco using a Hookah: Trends in Annual Prevalence by Average Education Level of Parents*



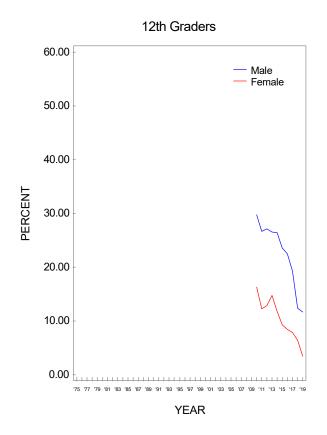
^{*}Parental education is an average score of mother's education and father's education.

FIGURE 324
Tobacco using a Hookah: Trends in Annual Prevalence by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 325 Small Cigars*: Trends in Annual Prevalence by Gender



Source. The Monitoring the Future study, the University of Michigan.

*Question text is: During the last 12 months, on how many occasions have you smoked small cigars?

FIGURE 326 Small Cigars: Trends in Annual Prevalence by College Plans

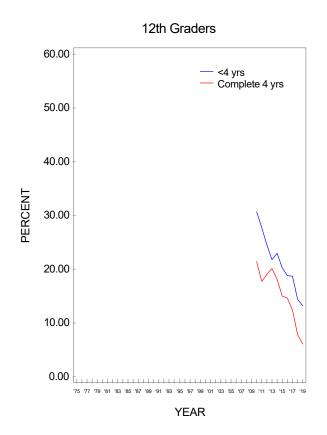


FIGURE 327 Small Cigars: Trends in Annual Prevalence by Region

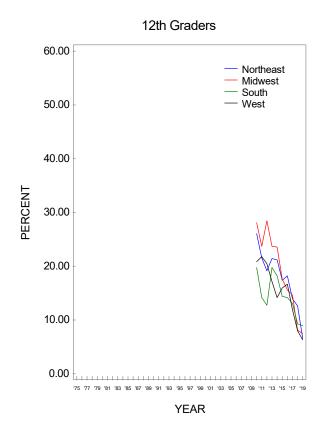


FIGURE 328
Small Cigars: Trends in Annual Prevalence by Population Density

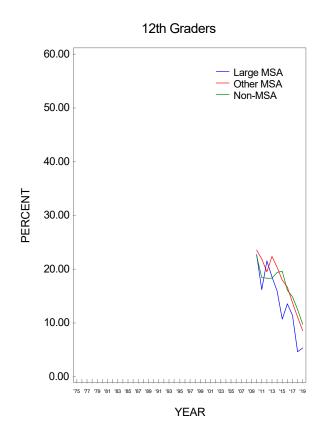
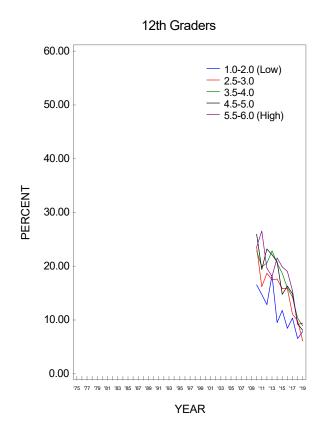
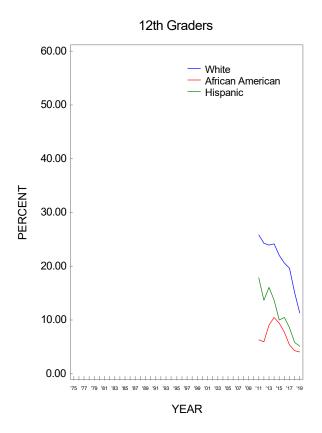


FIGURE 329
Small Cigars: Trends in Annual Prevalence by Average Education Level of Parents*



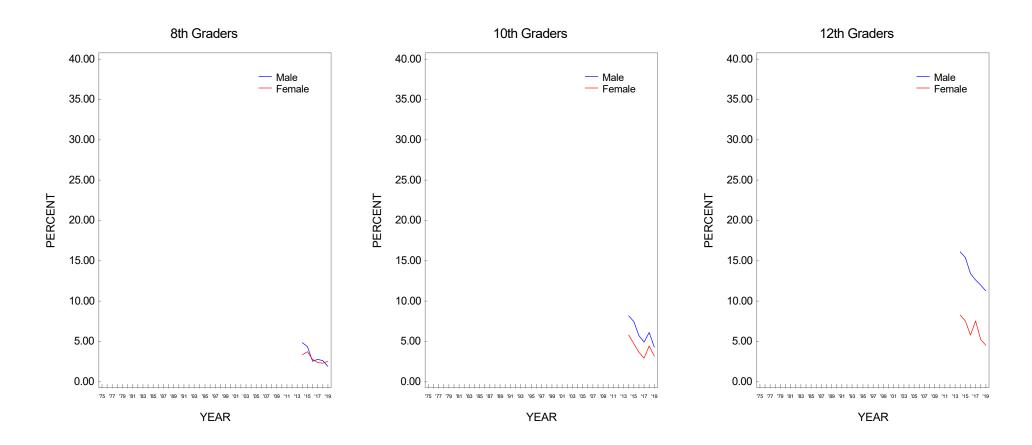
^{*}Parental education is an average score of mother's education and father's education.

FIGURE 330
Small Cigars: Trends in Annual Prevalence by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 331
Flavored Little Cigars*: Trends in 30-Day Prevalence by Gender



^{*}Question text is: During the last 30 days, on how many days (if any) have you smoked flavored little cigars or cigarillos?

FIGURE 332
Flavored Little Cigars: Trends in 30-Day Prevalence by College Plans

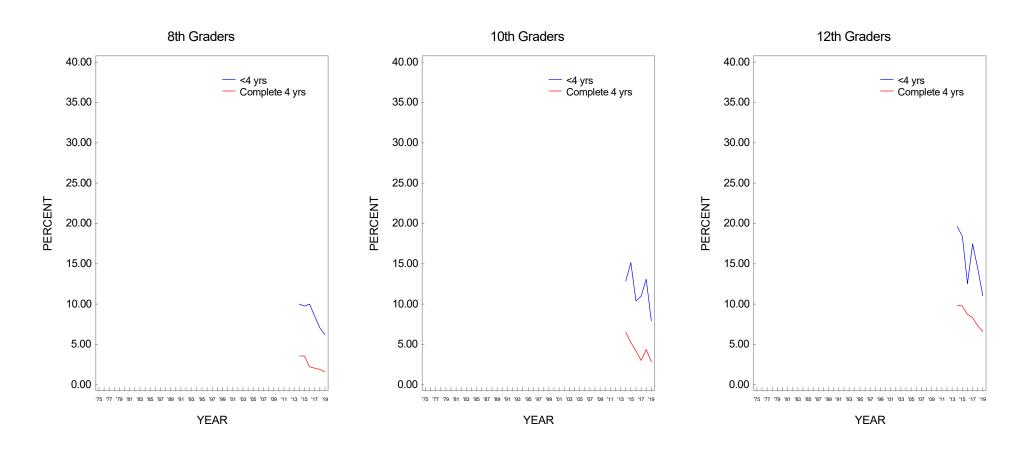


FIGURE 333
Flavored Little Cigars: Trends in 30-Day Prevalence by Region

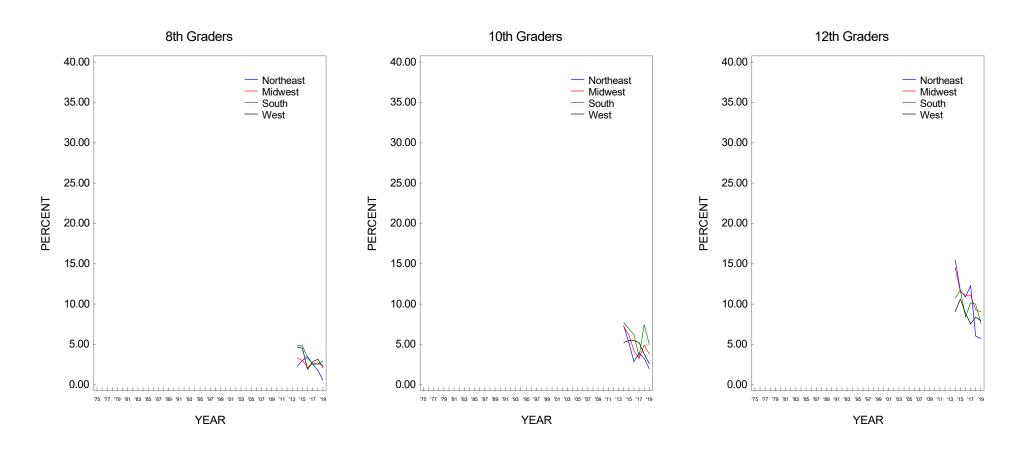


FIGURE 334
Flavored Little Cigars: Trends in 30-Day Prevalence by Population Density

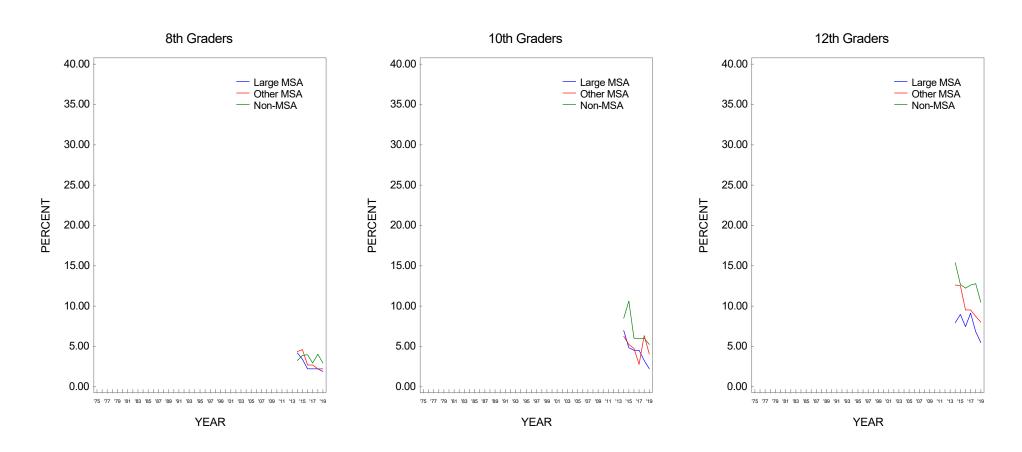
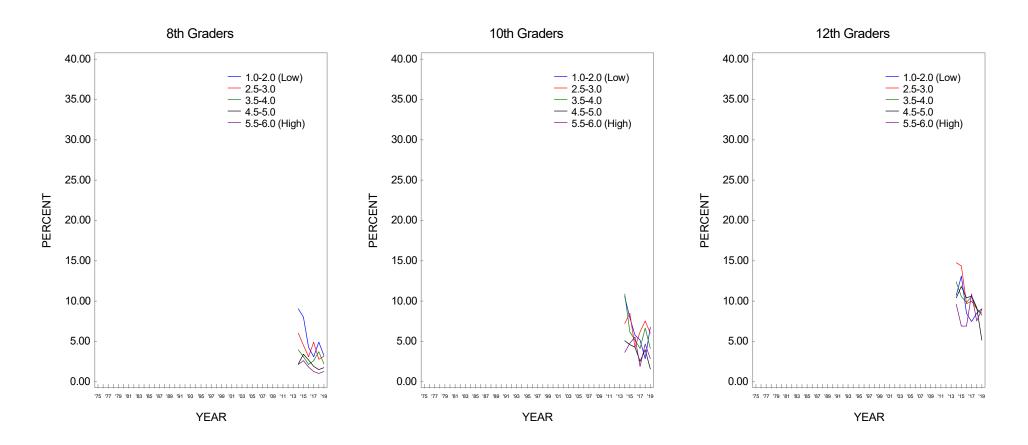
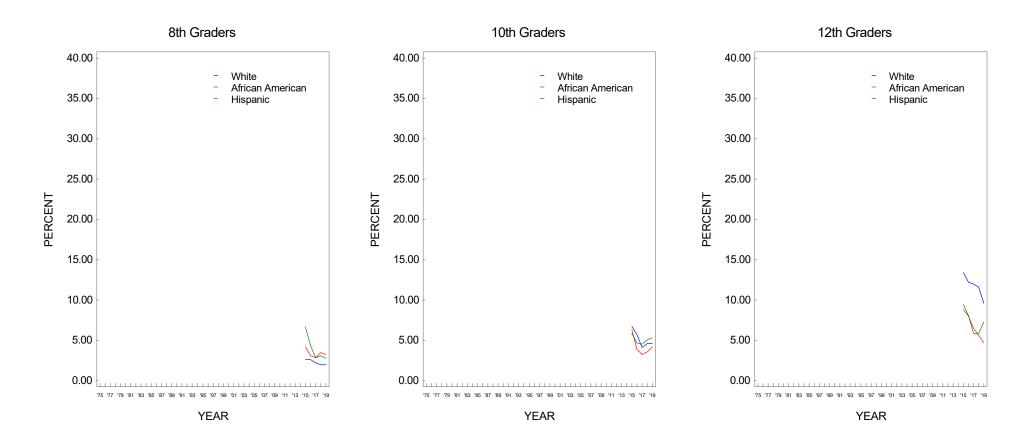


FIGURE 335
Flavored Little Cigars: Trends in 30-Day Prevalence by Average Education Level of Parents*



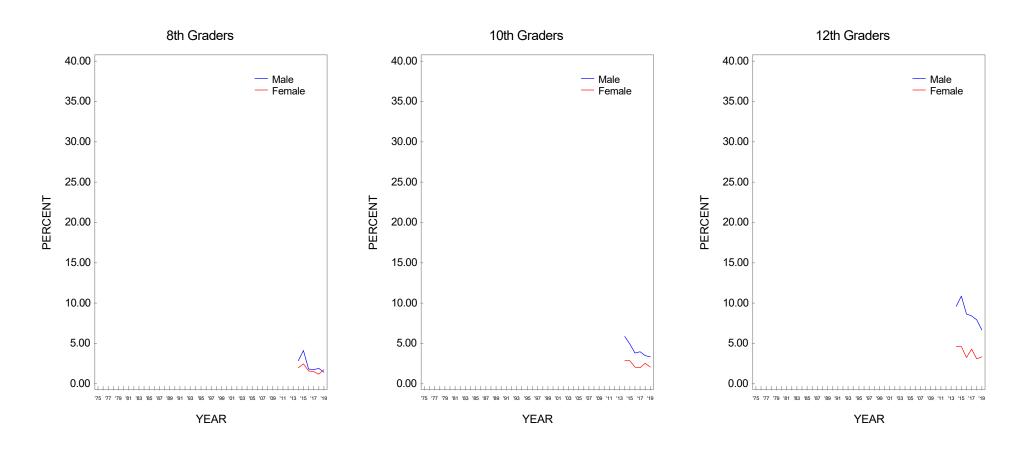
^{*}Parental education is an average score of mother's education and father's education.

FIGURE 336
Flavored Little Cigars: Trends in 30-Day Prevalence by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 337
Regular Little Cigars*: Trends in 30-Day Prevalence by Gender



^{*}Question text is: During the last 30 days, on how many days (if any) have you smoked regular little cigars or cigarillos?

FIGURE 338
Regular Little Cigars: Trends in 30-Day Prevalence by College Plans

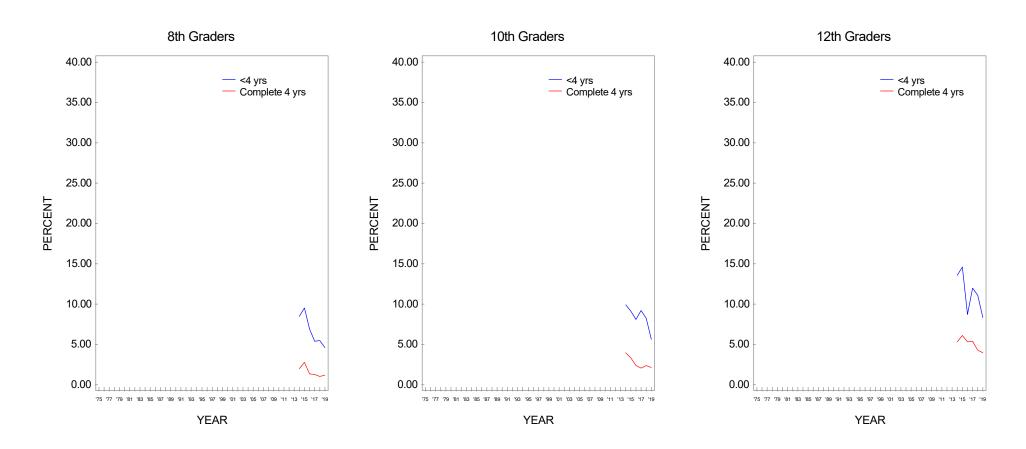


FIGURE 339
Regular Little Cigars: Trends in 30-Day Prevalence by Region

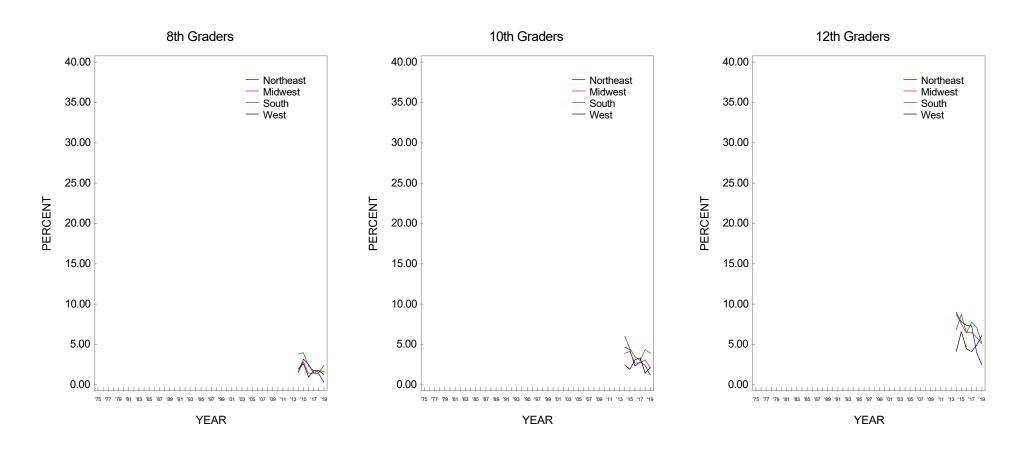


FIGURE 340
Regular Little Cigars: Trends in 30-Day Prevalence by Population Density

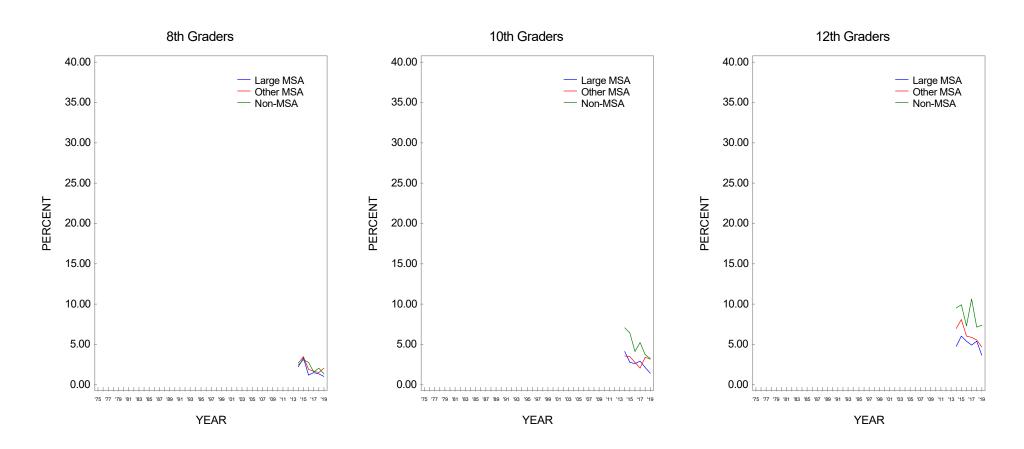
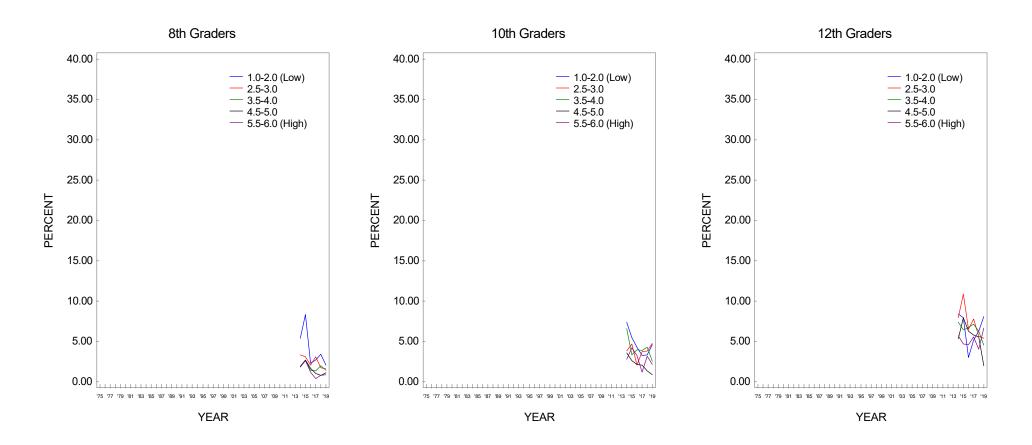
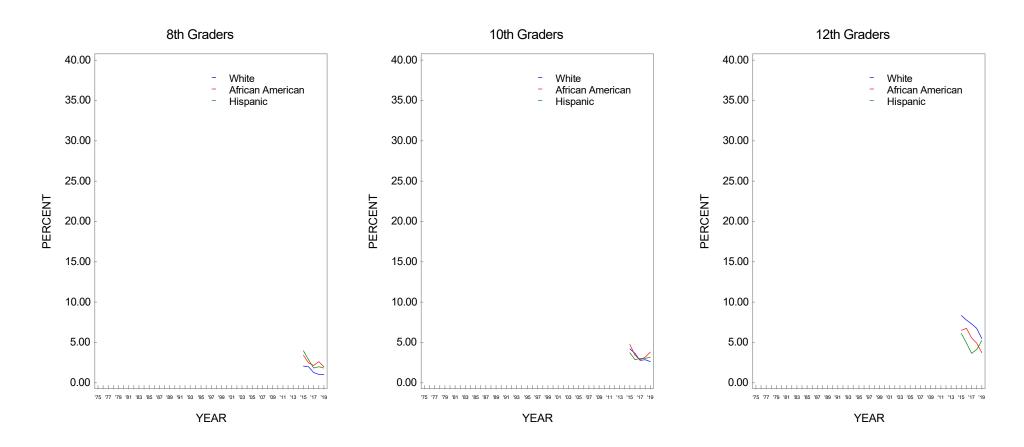


FIGURE 341
Regular Little Cigars: Trends in 30-Day Prevalence by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 342
Regular Little Cigars: Trends in 30-Day Prevalence by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 343
Large Cigars: Trends in 30-Day Prevalence by Gender

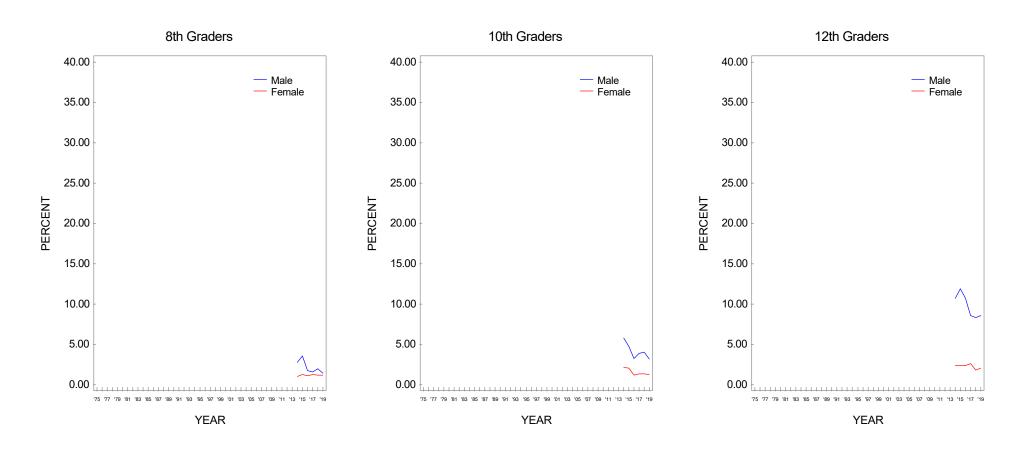


FIGURE 344
Large Cigars: Trends in 30-Day Prevalence by College Plans

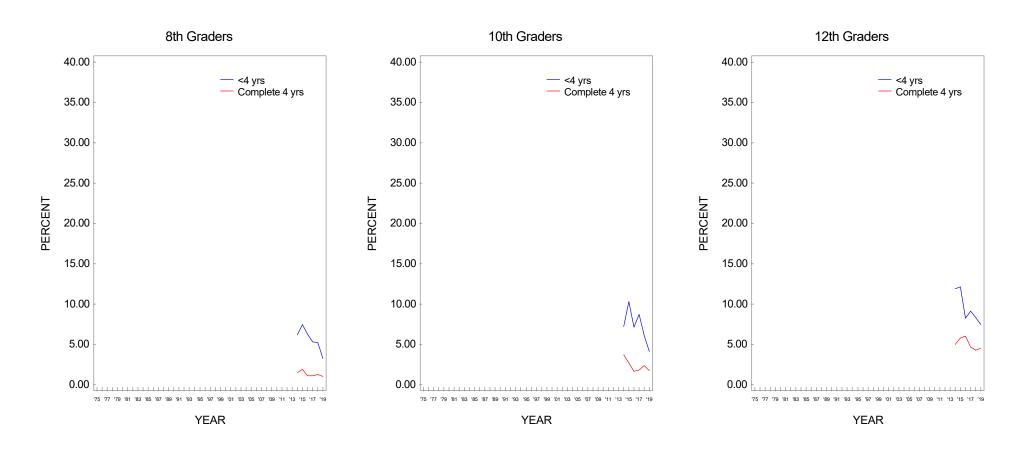


FIGURE 345
Large Cigars: Trends in 30-Day Prevalence by Region

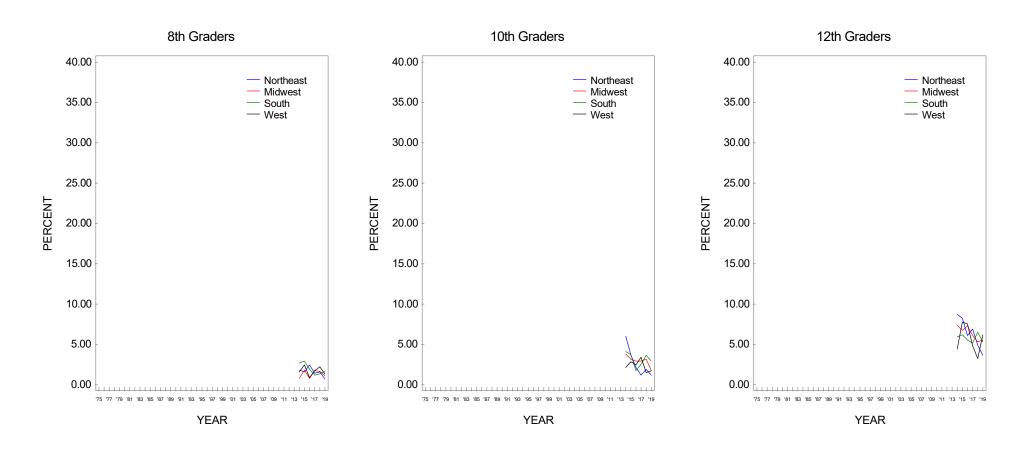


FIGURE 346
Large Cigars: Trends in 30-Day Prevalence by Population Density

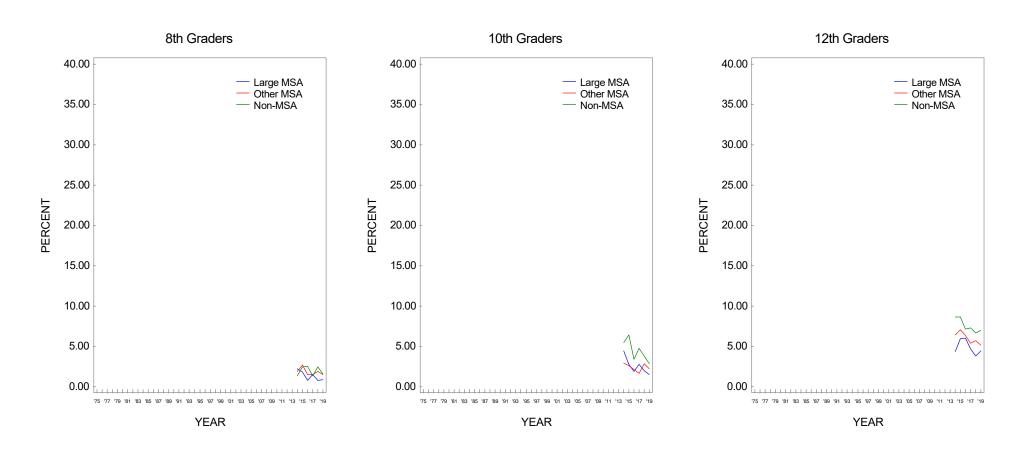
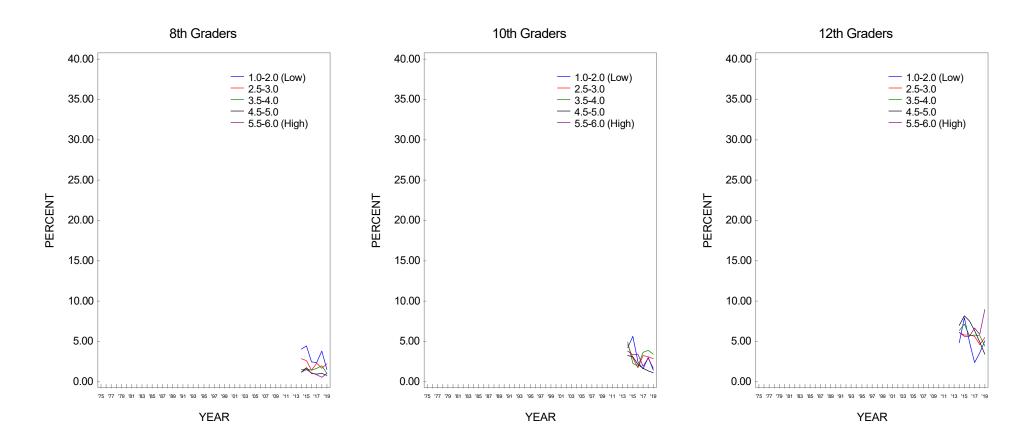
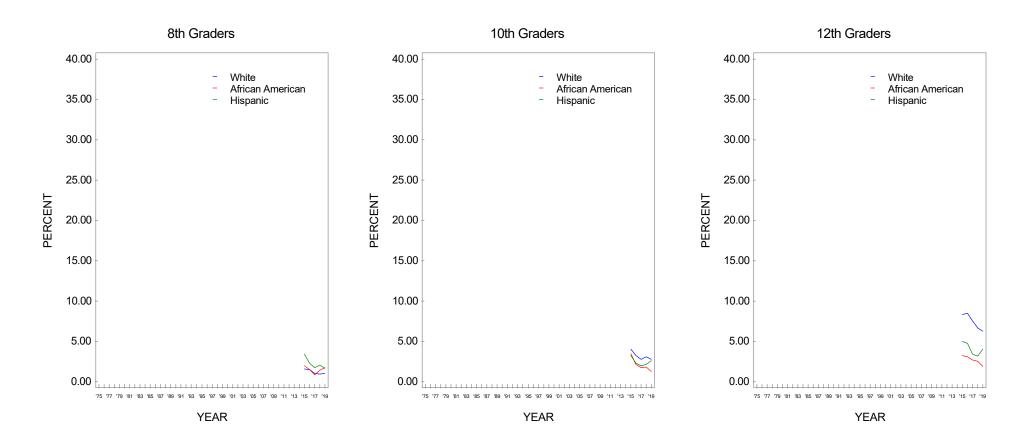


FIGURE 347
Large Cigars: Trends in 30-Day Prevalence by Average Education Level of Parents*



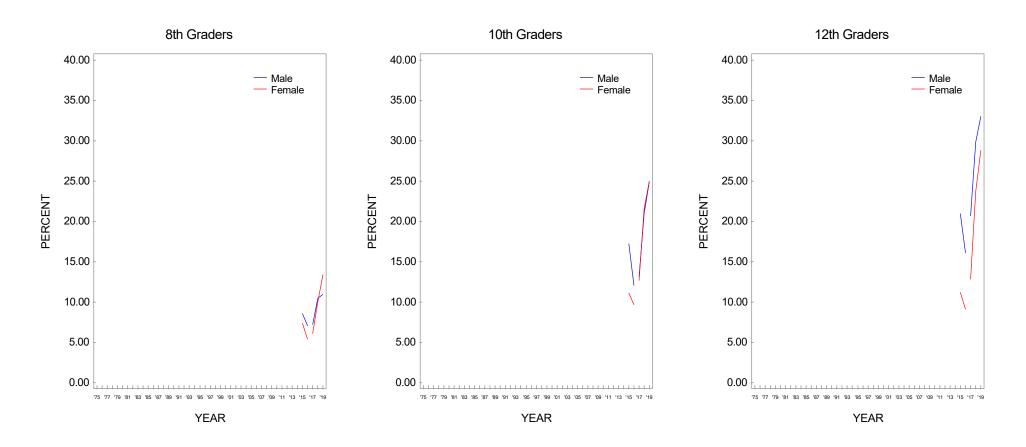
^{*}Parental education is an average score of mother's education and father's education.

FIGURE 348
Large Cigars: Trends in 30-Day Prevalence by Race/Ethnicity*



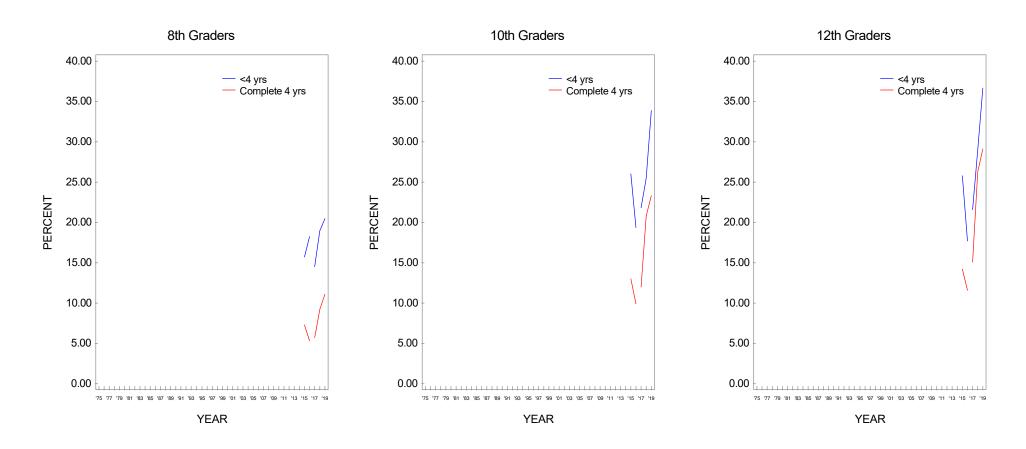
^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 349
Any Vaping*: Trends in 30-Day Prevalence by Gender



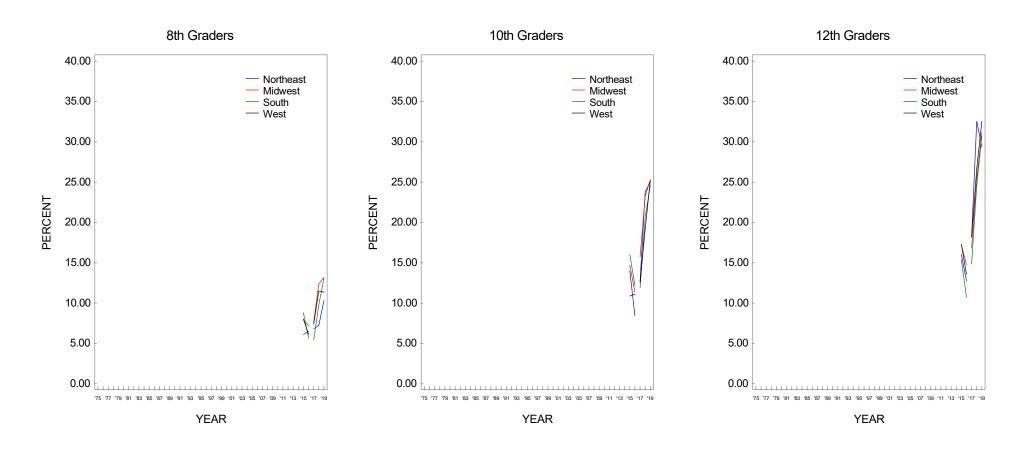
^{*}In 2017, the surveys switched from asking about vaping in general to asking separately about vaping nicotine, marijuana, and vaping just flavoring. Beginning in 2017, data presented are based on these new questions showing vaping of any of those substances.

FIGURE 350
Any Vaping*: Trends in 30-Day Prevalence by College Plans



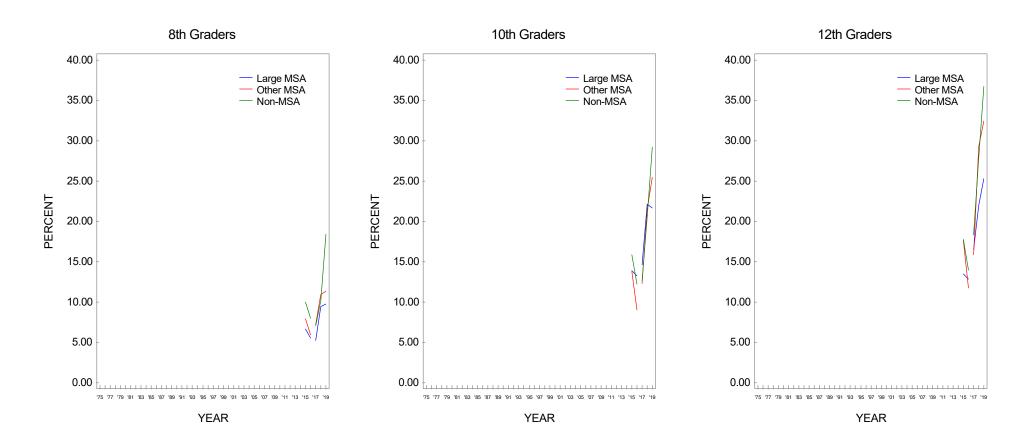
^{*}In 2017, the surveys switched from asking about vaping in general to asking separately about vaping nicotine, marijuana, and vaping just flavoring. Beginning in 2017, data presented are based on these new questions showing vaping of any of those substances.

FIGURE 351
Any Vaping*: Trends in 30-Day Prevalence by Region



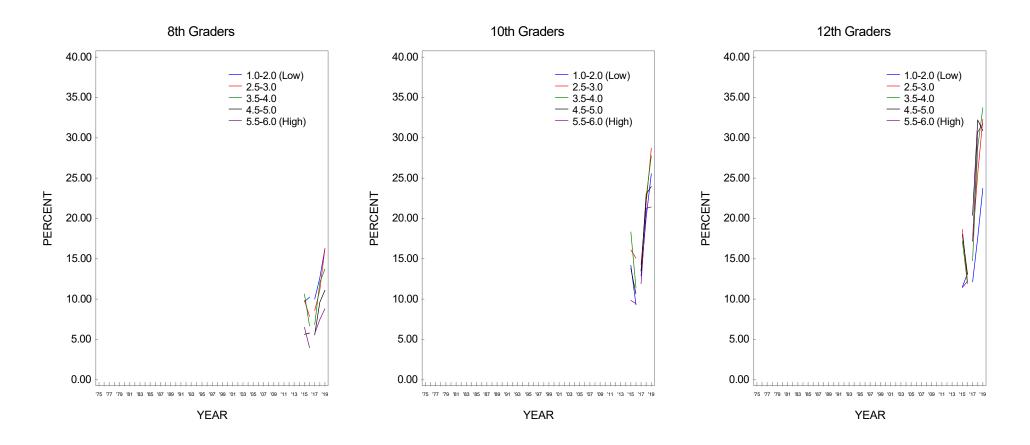
^{*}In 2017, the surveys switched from asking about vaping in general to asking separately about vaping nicotine, marijuana, and vaping just flavoring. Beginning in 2017, data presented are based on these new questions showing vaping of any of those substances.

FIGURE 352
Any Vaping*: Trends in 30-Day Prevalence by Population Density



^{*}In 2017, the surveys switched from asking about vaping in general to asking separately about vaping nicotine, marijuana, and vaping just flavoring. Beginning in 2017, data presented are based on these new questions showing vaping of any of those substances.

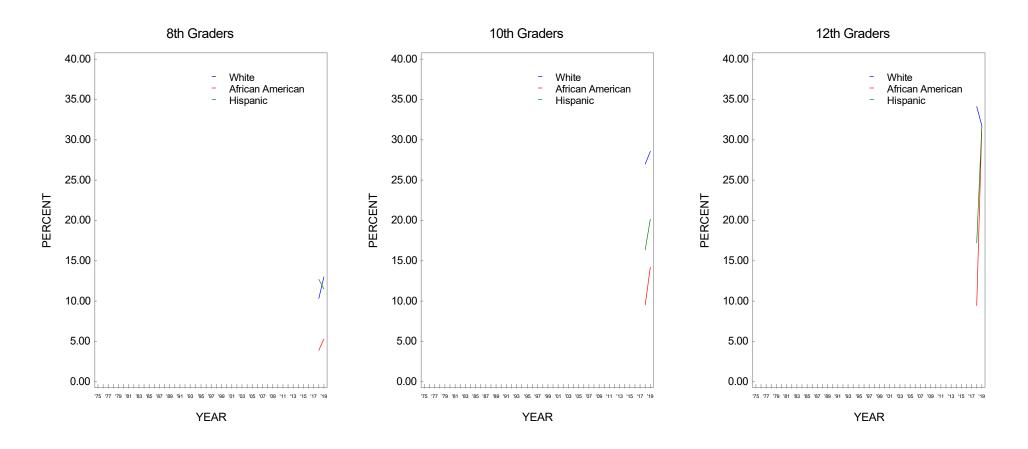
FIGURE 353
Any Vaping*: Trends in 30-Day Prevalence by Average Education Level of Parents**



^{*}In 2017, the surveys switched from asking about vaping in general to asking separately about vaping nicotine, marijuana, and vaping just flavoring. Beginning in 2017, data presented are based on these new questions showing vaping of any of those substances.

^{**}Parental education is an average score of mother's education and father's education.

FIGURE 354
Any Vaping*: Trends in 30-Day Prevalence by Race/Ethnicity**



^{*}In 2017, the surveys switched from asking about vaping in general to asking separately about vaping nicotine, marijuana, and vaping just flavoring. Beginning in 2017, data presented are based on these new questions showing vaping of any of those substances.

^{**}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 355
Vaping Nicotine: Trends in 30-Day Prevalence by Gender

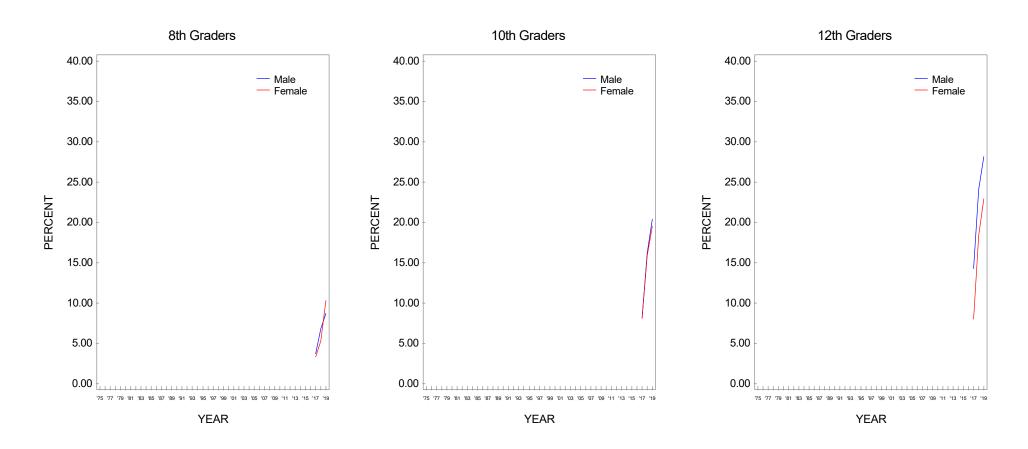


FIGURE 356
Vaping Nicotine: Trends in 30-Day Prevalence by College Plans

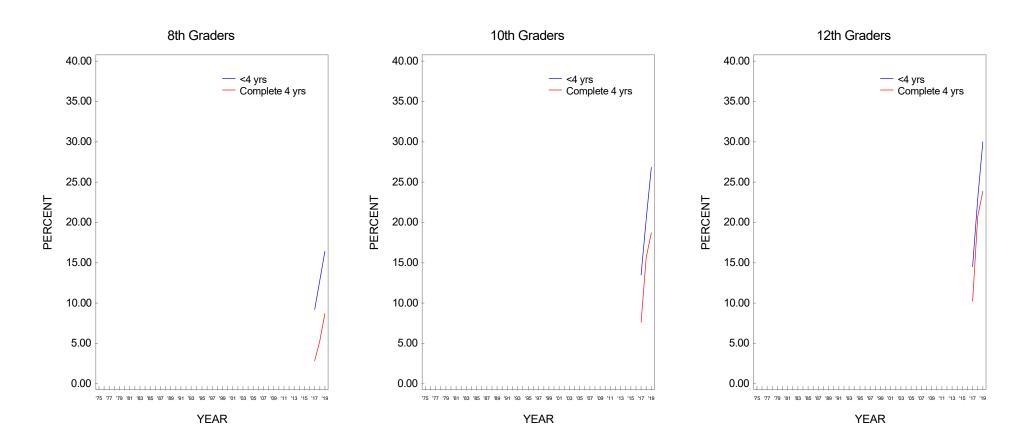


FIGURE 357
Vaping Nicotine: Trends in 30-Day Prevalence by Region

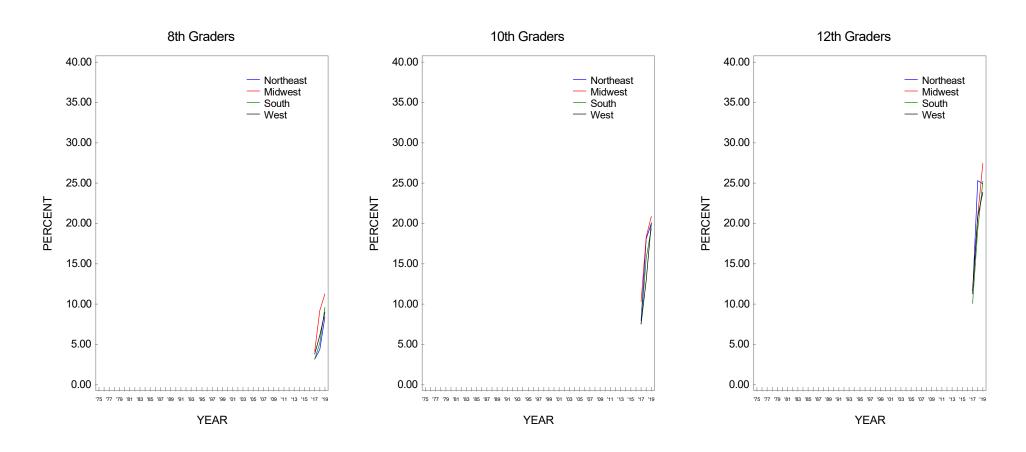


FIGURE 358
Vaping Nicotine: Trends in 30-Day Prevalence by Population Density

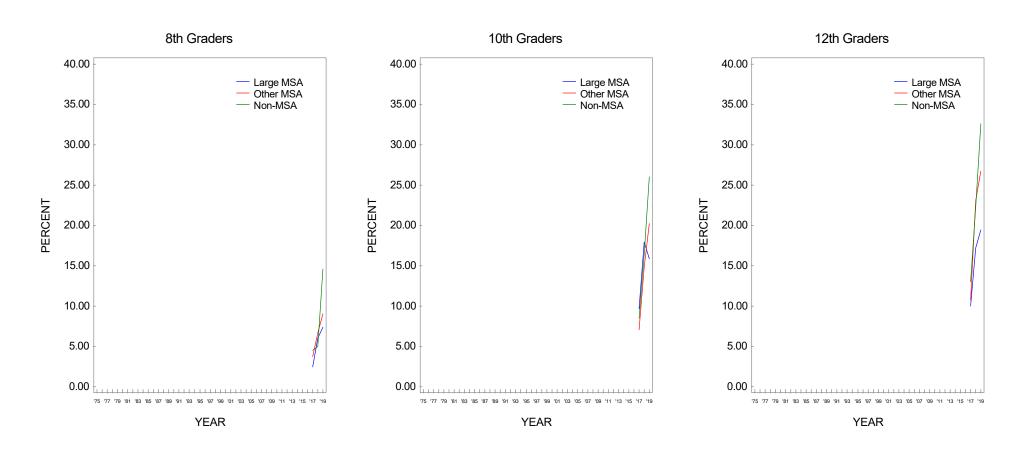
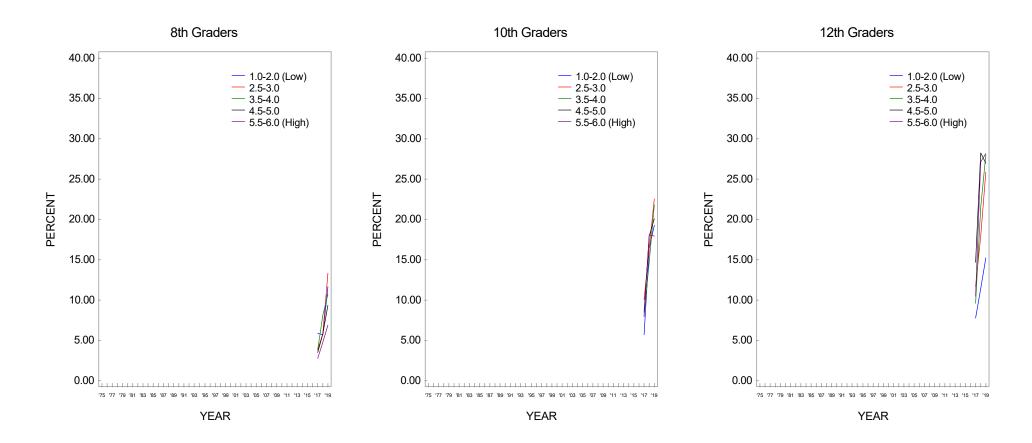
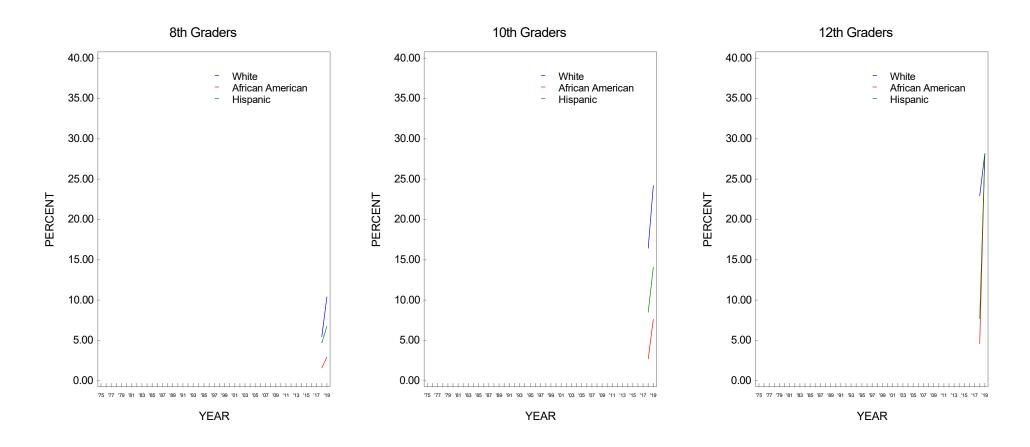


FIGURE 359
Vaping Nicotine: Trends in 30-Day Prevalence by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 360
Vaping Nicotine: Trends in 30-Day Prevalence by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 361 Vaping Marijuana: Trends in 30-Day Prevalence by Gender

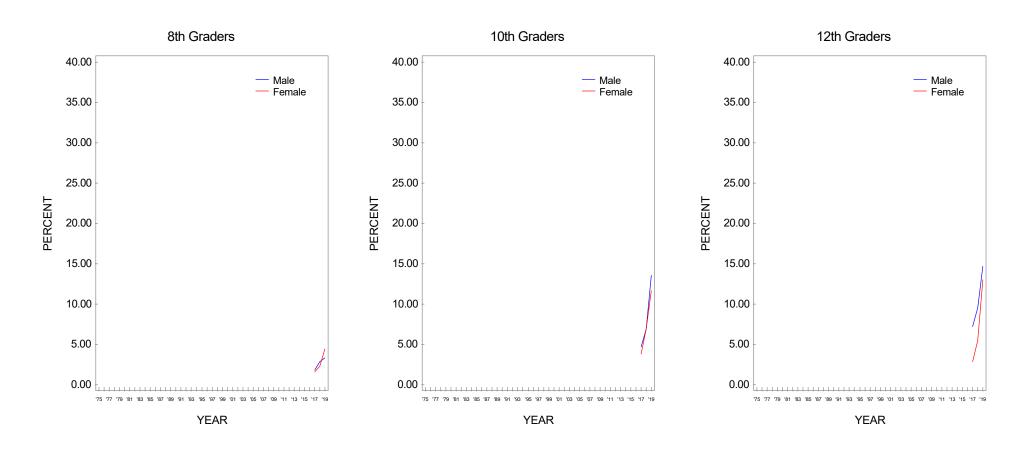


FIGURE 362 Vaping Marijuana: Trends in 30-Day Prevalence by College Plans

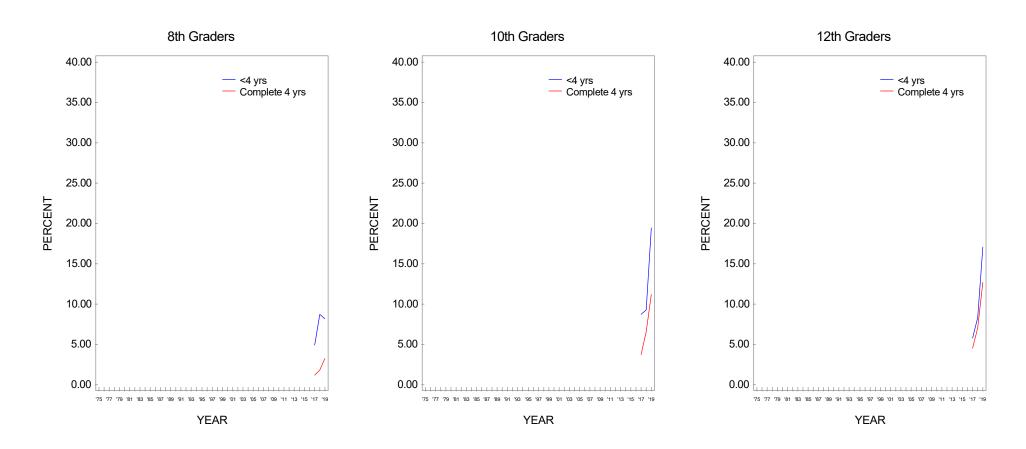


FIGURE 363 Vaping Marijuana: Trends in 30-Day Prevalence by Region

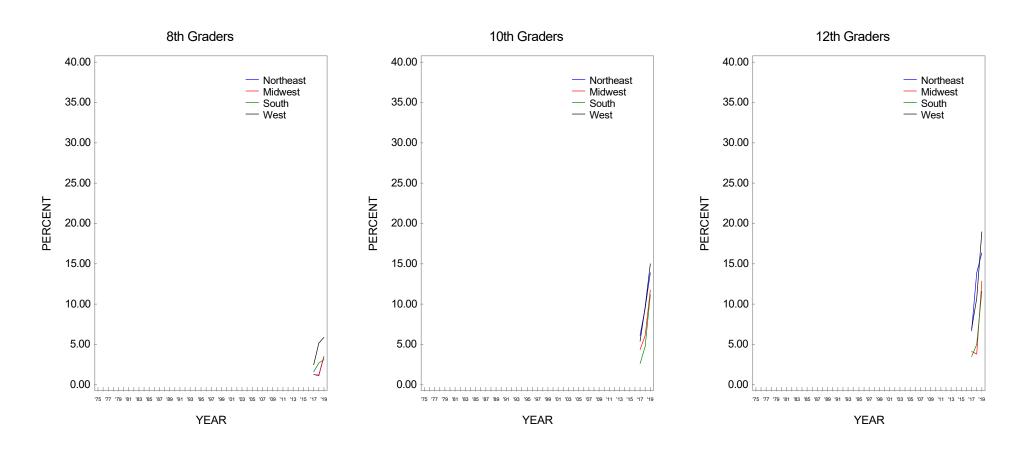


FIGURE 364
Vaping Marijuana: Trends in 30-Day Prevalence by Population Density

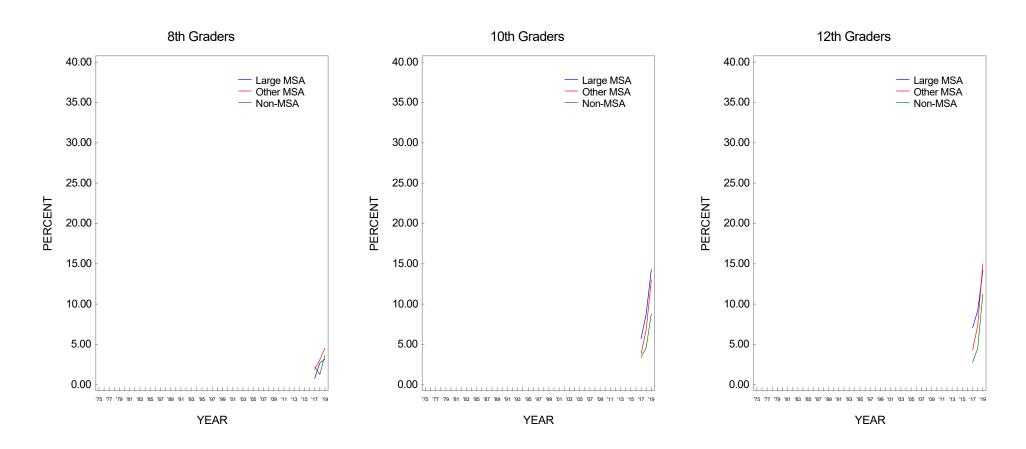
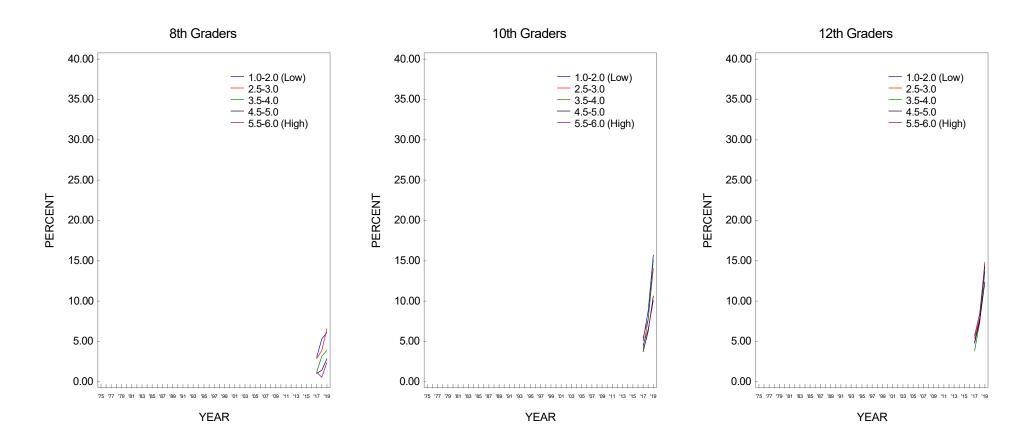
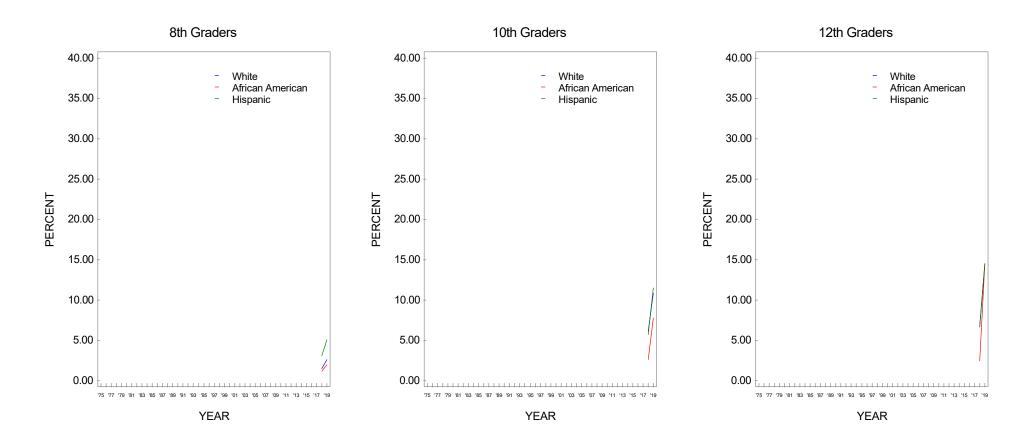


FIGURE 365
Vaping Marijuana: Trends in 30-Day Prevalence by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 366
Vaping Marijuana: Trends in 30-Day Prevalence by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 367
Vaping Just Flavoring: Trends in 30-Day Prevalence by Gender

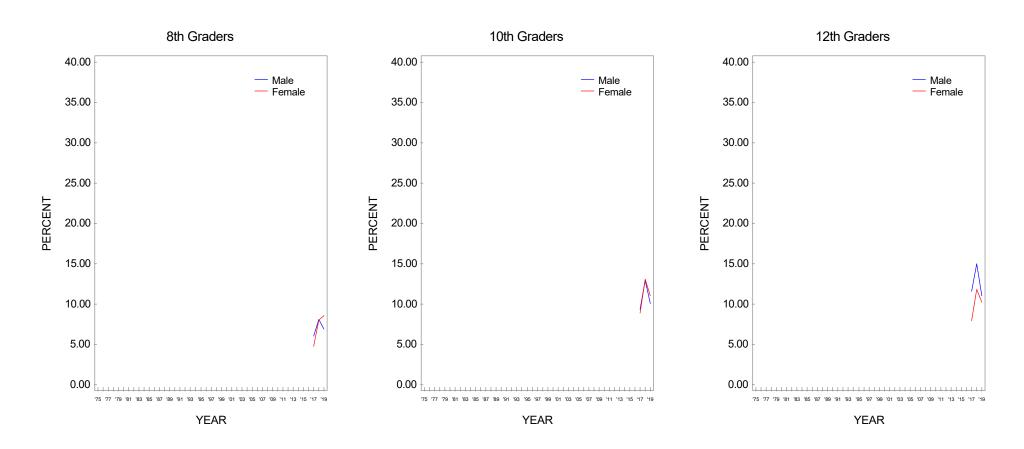


FIGURE 368
Vaping Just Flavoring: Trends in 30-Day Prevalence by College Plans

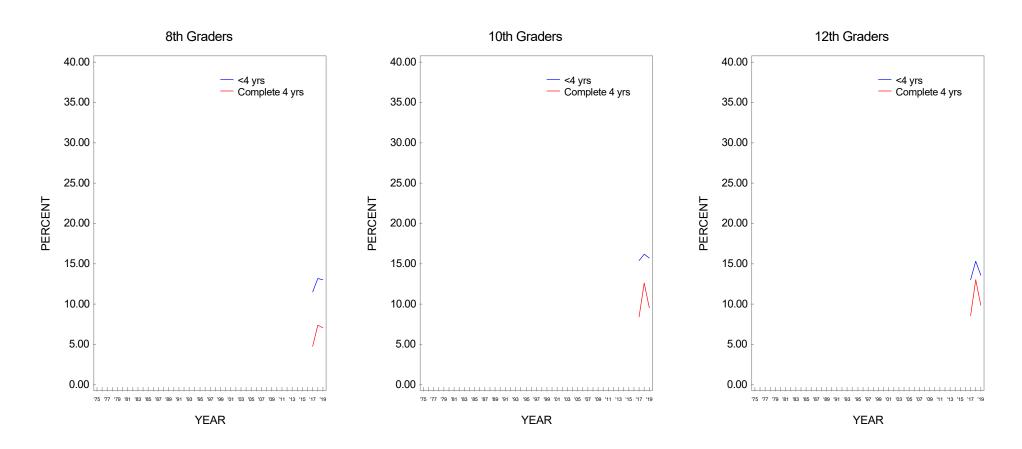


FIGURE 369
Vaping Just Flavoring: Trends in 30-Day Prevalence by Region

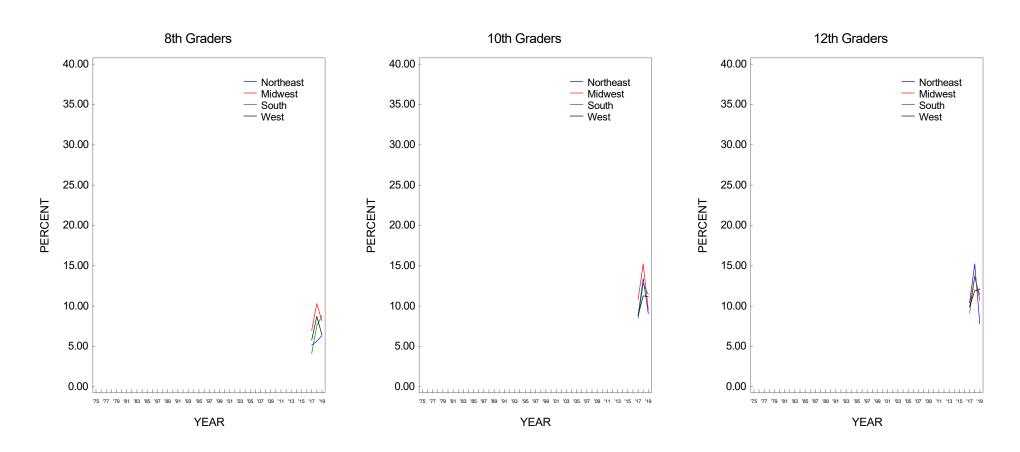


FIGURE 370
Vaping Just Flavoring: Trends in 30-Day Prevalence by Population Density

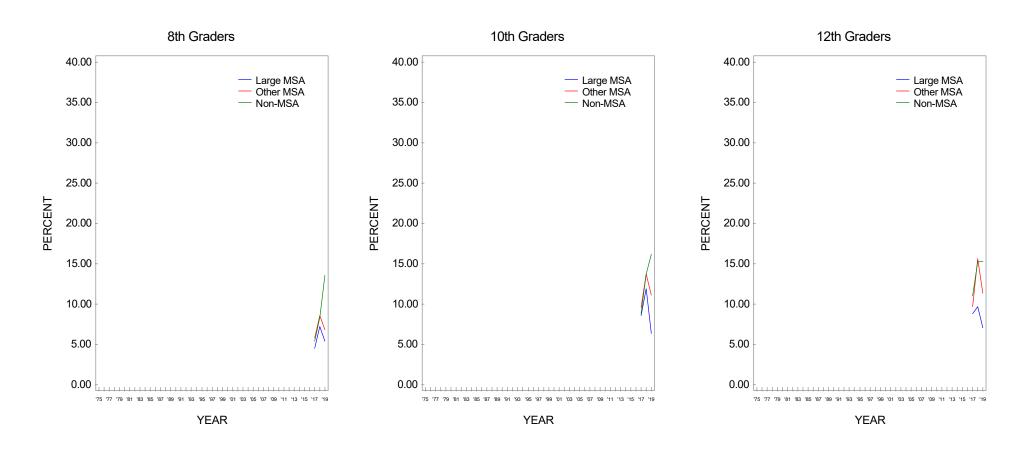
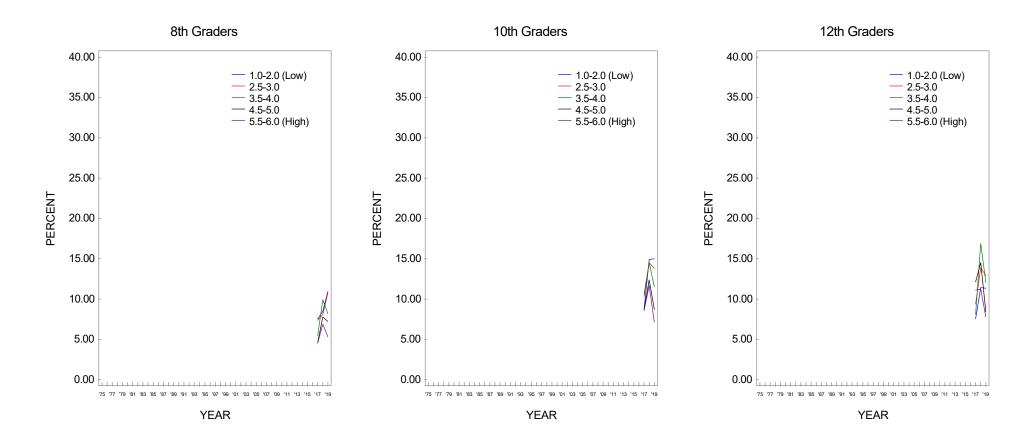
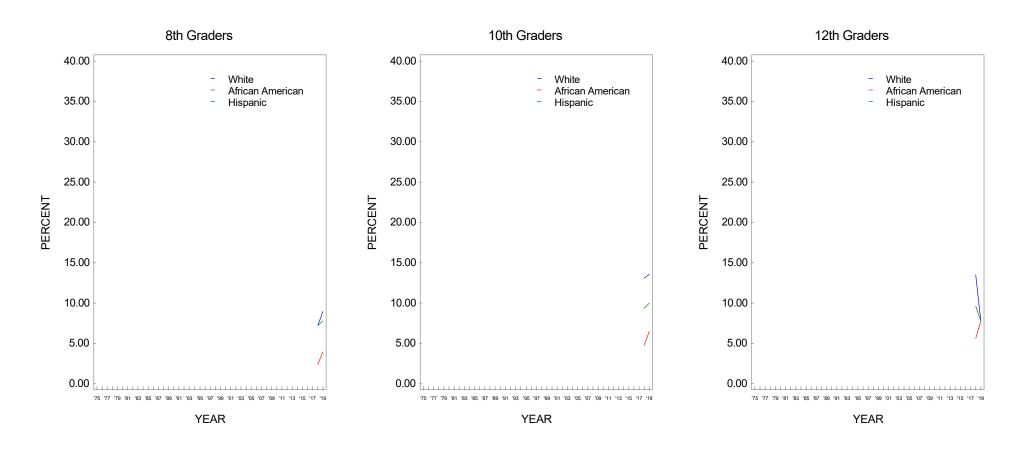


FIGURE 371
Vaping Just Flavoring: Trends in 30-Day Prevalence by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 372
Vaping Just Flavoring: Trends in 30-Day Prevalence by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 373 Smokeless Tobacco: Trends in 30-Day Prevalence by Gender

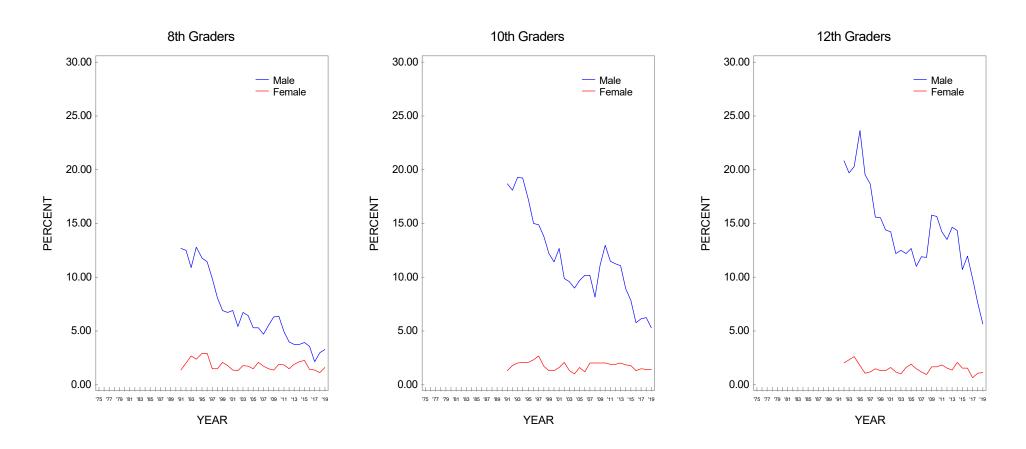


FIGURE 374 Smokeless Tobacco: Trends in 30-Day Prevalence by College Plans

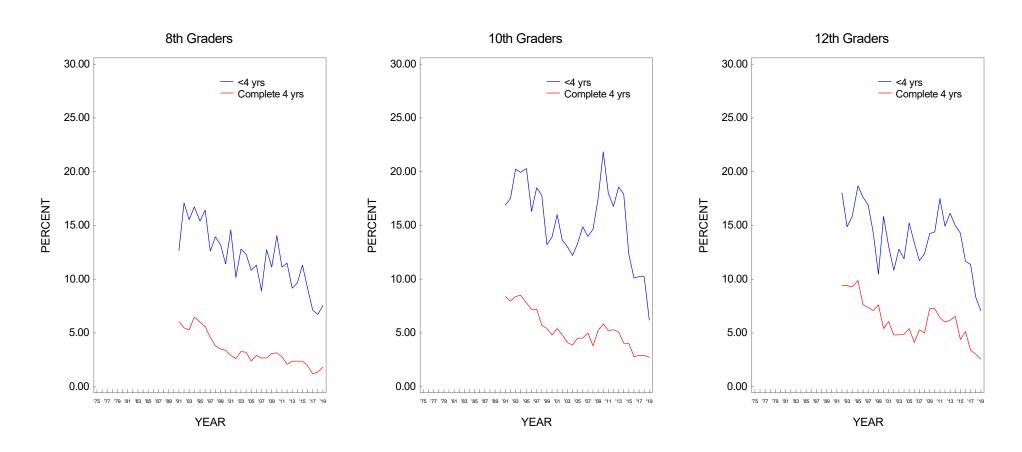


FIGURE 375 Smokeless Tobacco: Trends in 30-Day Prevalence by Region

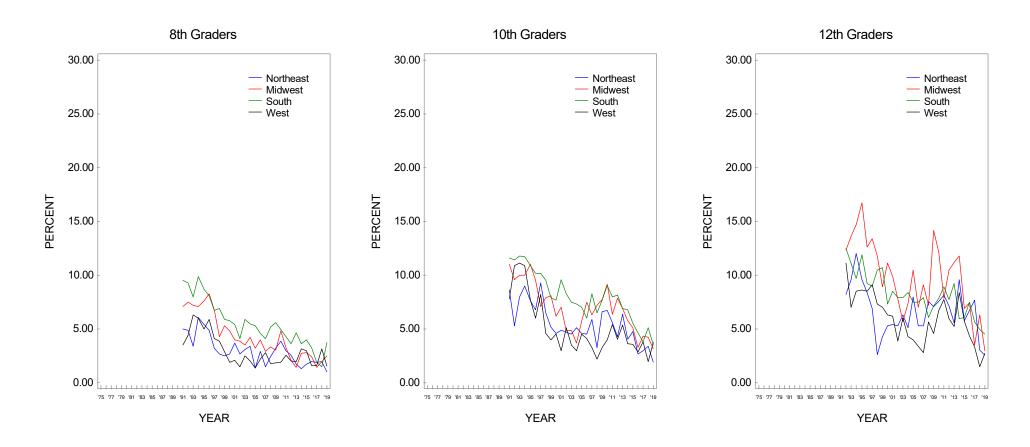


FIGURE 376
Smokeless Tobacco: Trends in 30-Day Prevalence by Population Density

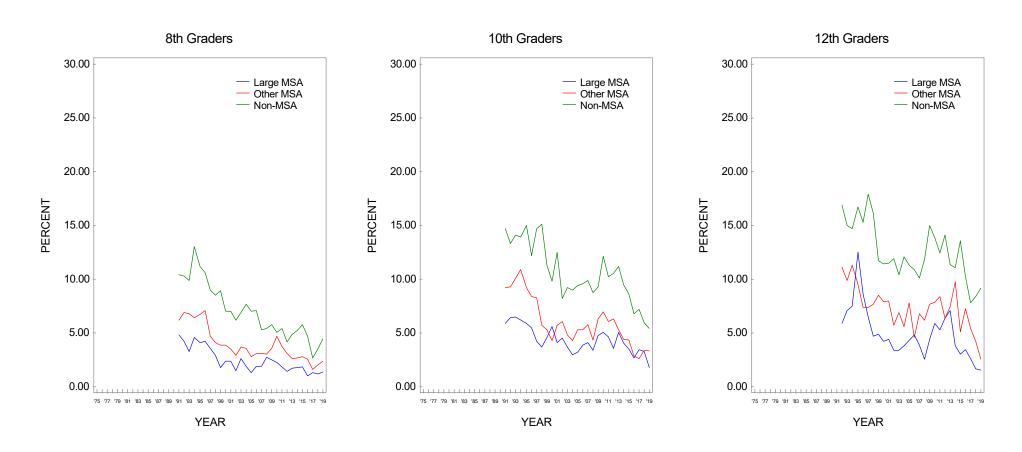
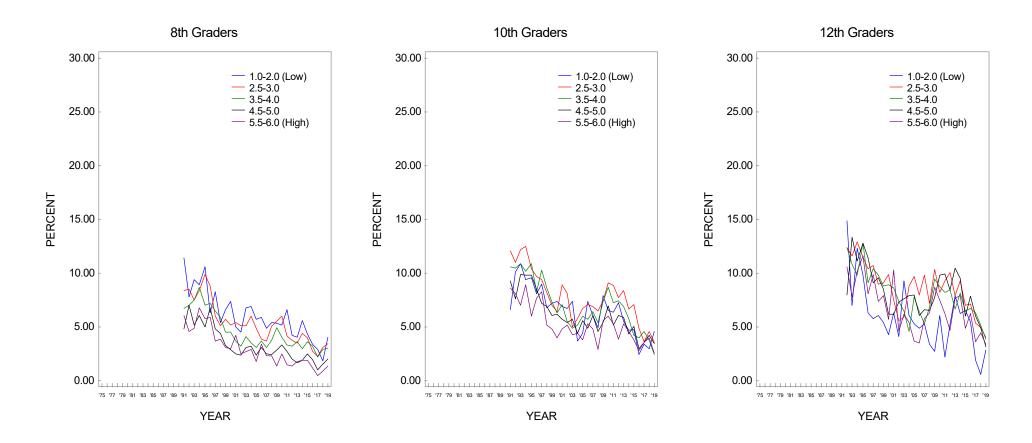
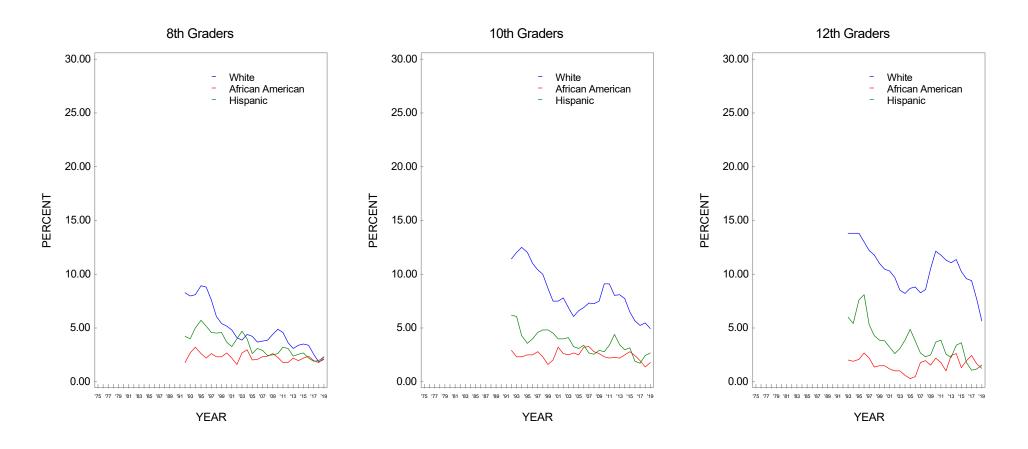


FIGURE 377
Smokeless Tobacco: Trends in 30-Day Prevalence by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 378
Smokeless Tobacco: Trends in 30-Day Prevalence by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 379
Smokeless Tobacco: Trends in 30-Day Prevalence of Daily Use by Gender

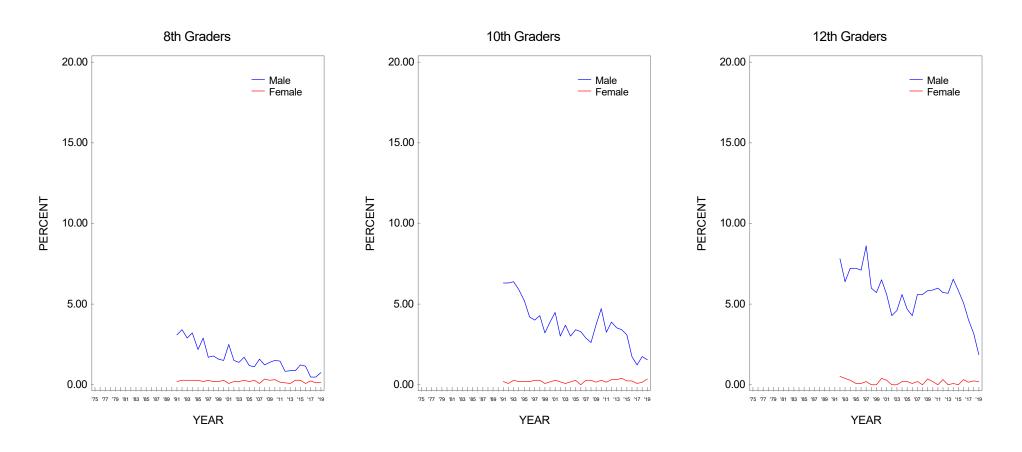


FIGURE 380 Smokeless Tobacco: Trends in 30-Day Prevalence of Daily Use by College Plans

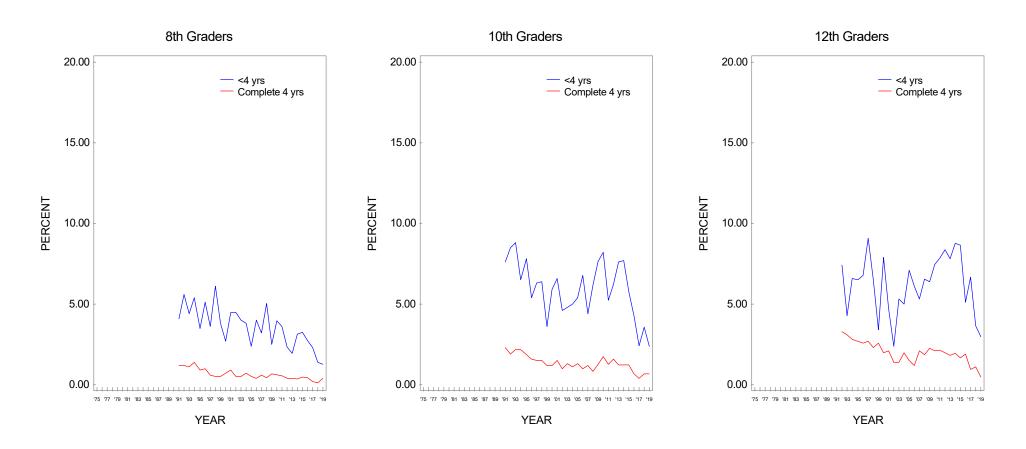


FIGURE 381
Smokeless Tobacco: Trends in 30-Day Prevalence of Daily Use by Region

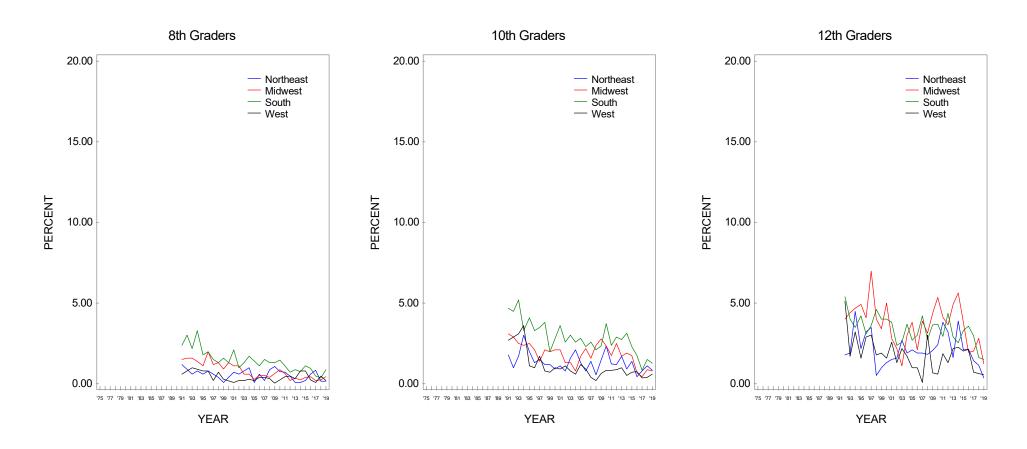


FIGURE 382
Smokeless Tobacco: Trends in 30-Day Prevalence of Daily Use by Population Density

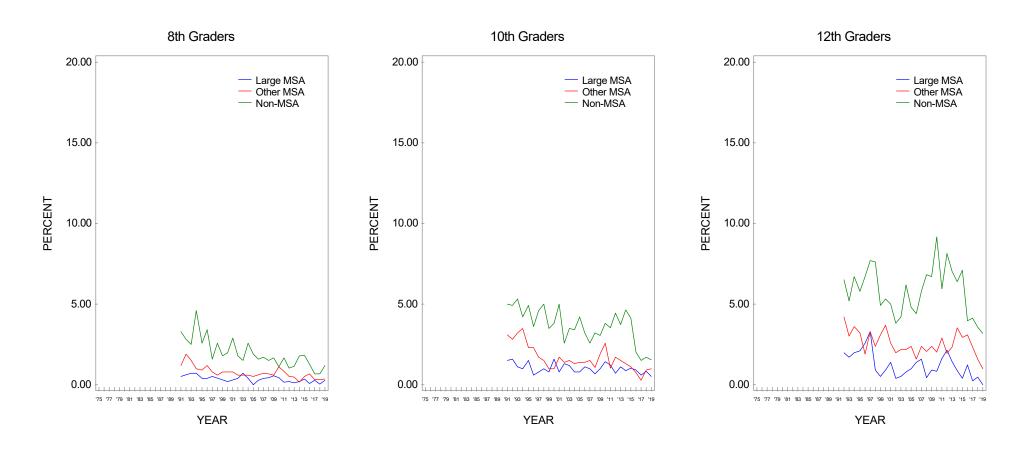
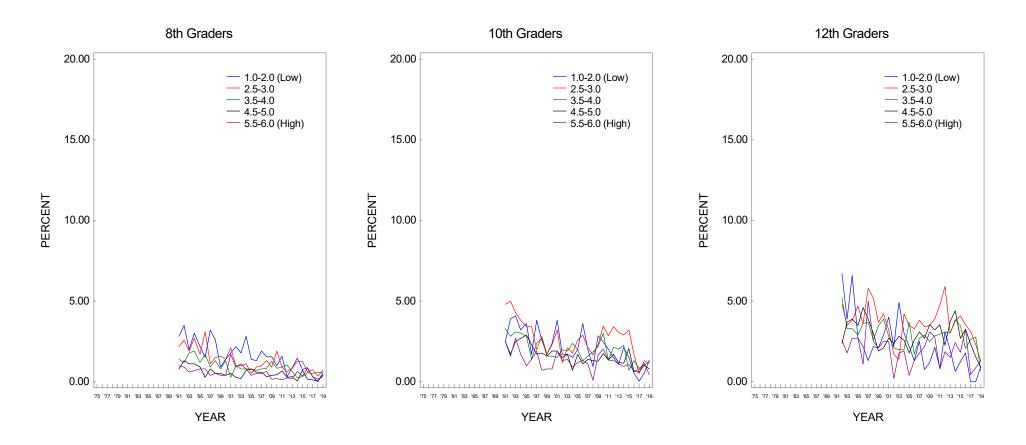
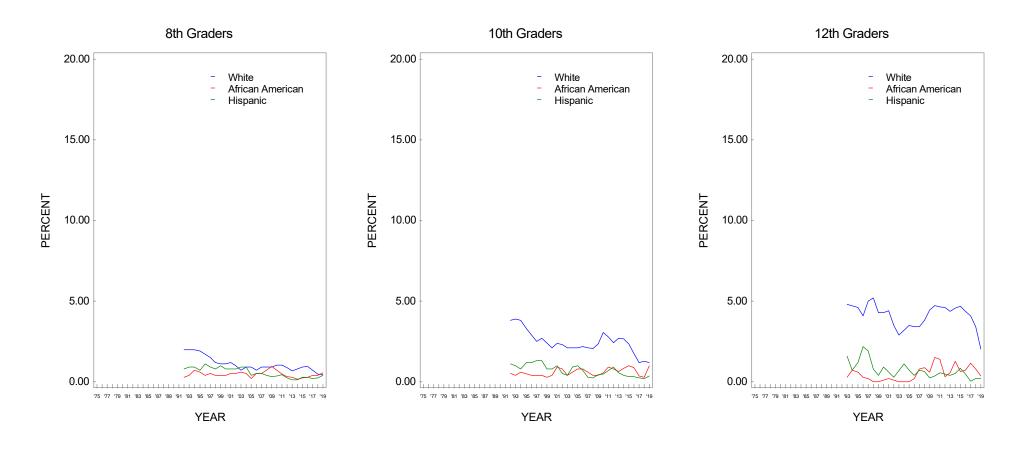


FIGURE 383
Smokeless Tobacco: Trends in 30-Day Prevalence of Daily Use by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 384
Smokeless Tobacco: Trends in 30-Day Prevalence of Daily Use by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 385
Dissolvable Tobacco Products: Trends in Annual Prevalence by Gender

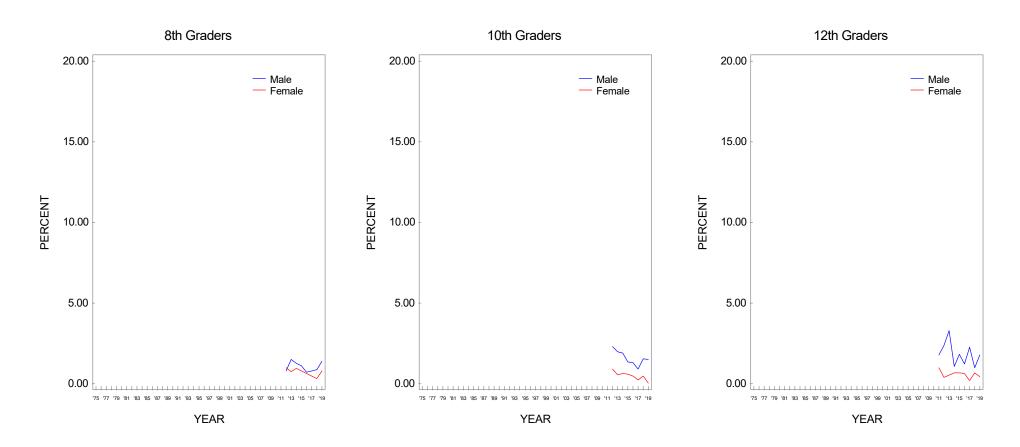


FIGURE 386
Dissolvable Tobacco Products: Trends in Annual Prevalence by College Plans

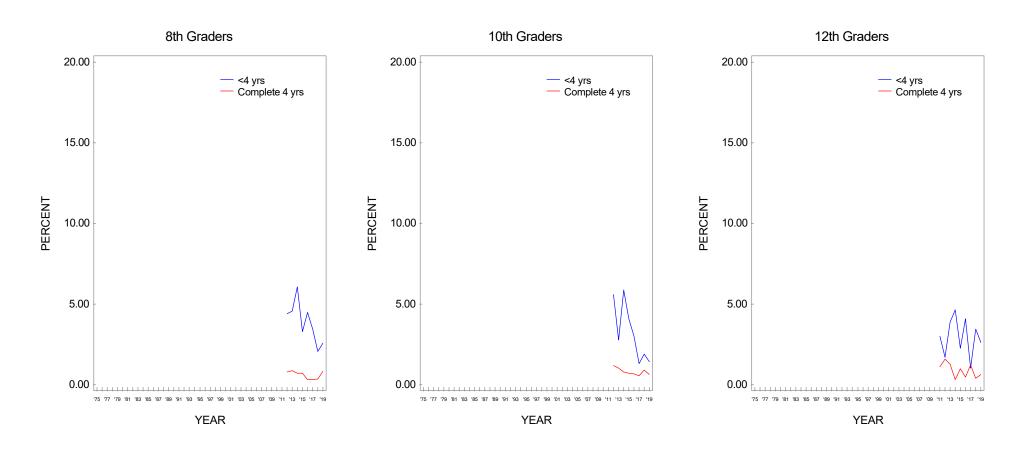


FIGURE 387
Dissolvable Tobacco Products: Trends in Annual Prevalence by Region

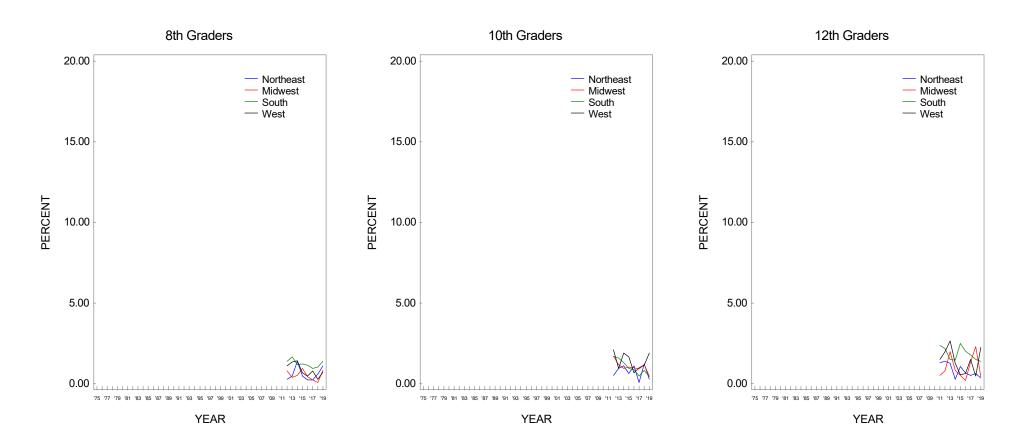


FIGURE 388
Dissolvable Tobacco Products: Trends in Annual Prevalence by Population Density

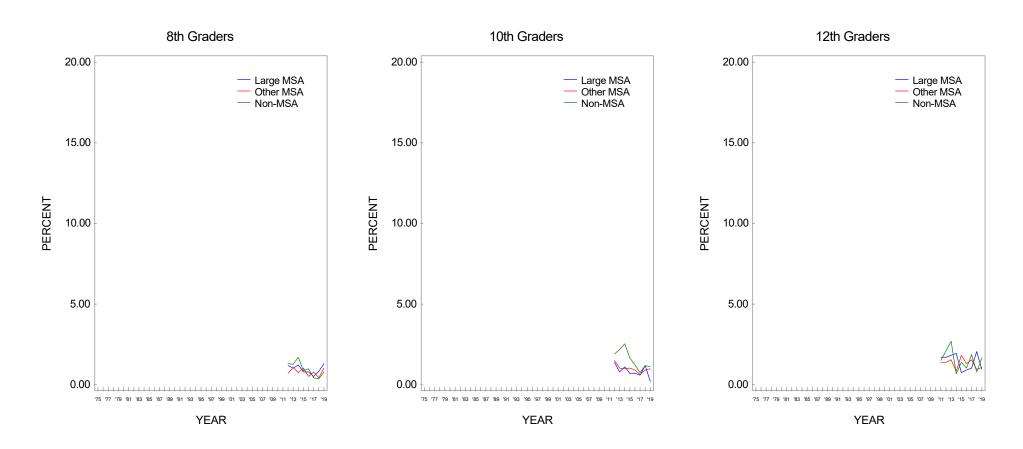
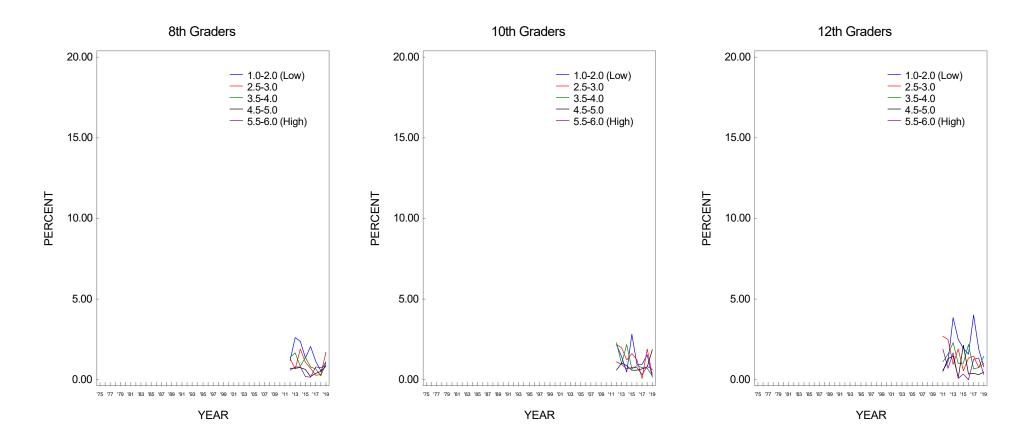
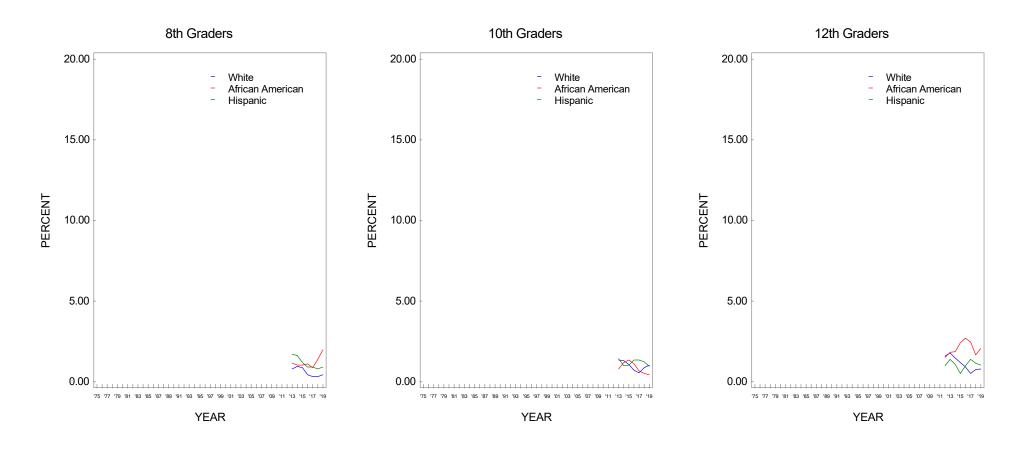


FIGURE 389
Dissolvable Tobacco Products: Trends in Annual Prevalence by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 390
Dissolvable Tobacco Products: Trends in Annual Prevalence by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 391 Snus: Trends in Annual Prevalence by Gender

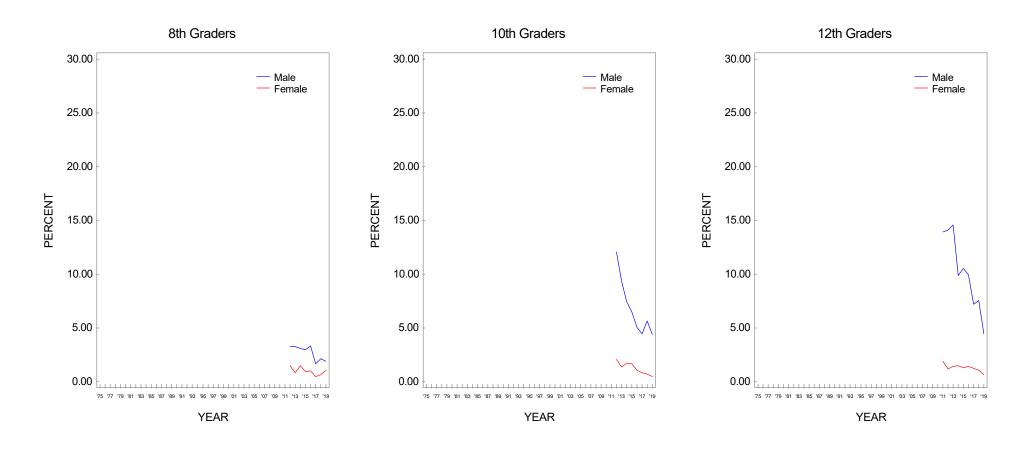


FIGURE 392 Snus: Trends in Annual Prevalence by College Plans

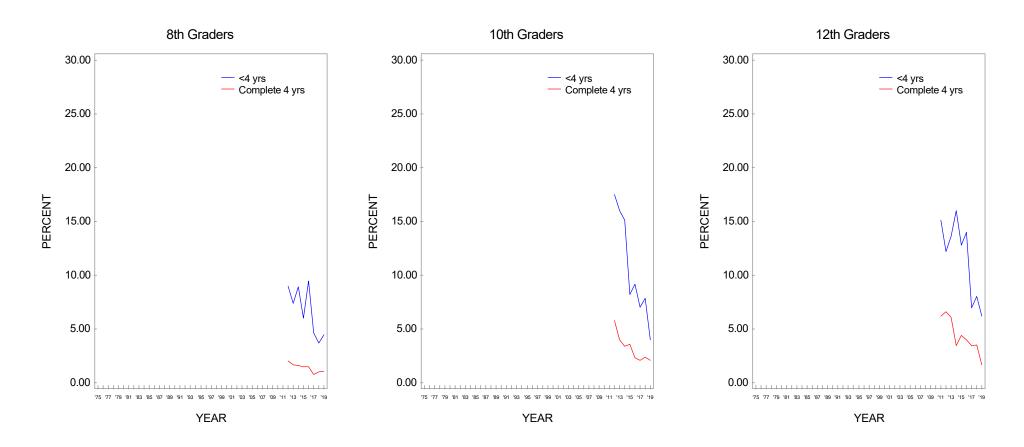


FIGURE 393
Snus: Trends in Annual Prevalence by Region

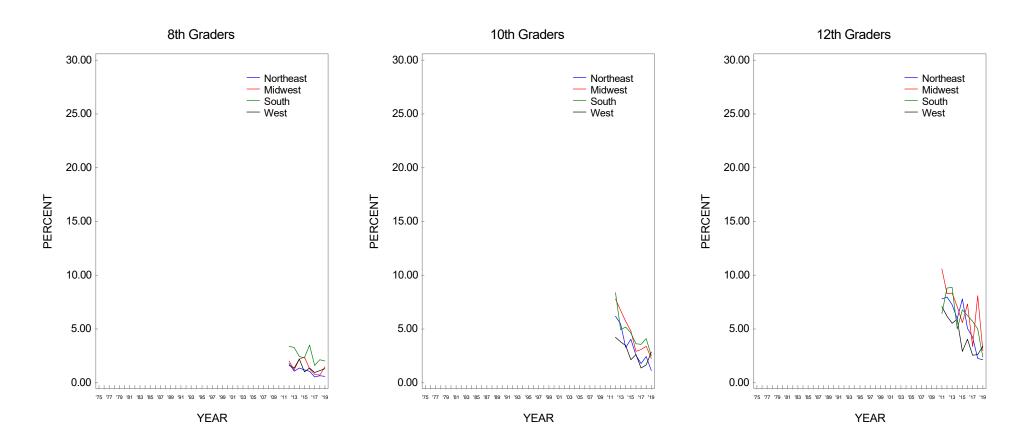


FIGURE 394
Snus: Trends in Annual Prevalence by Population Density

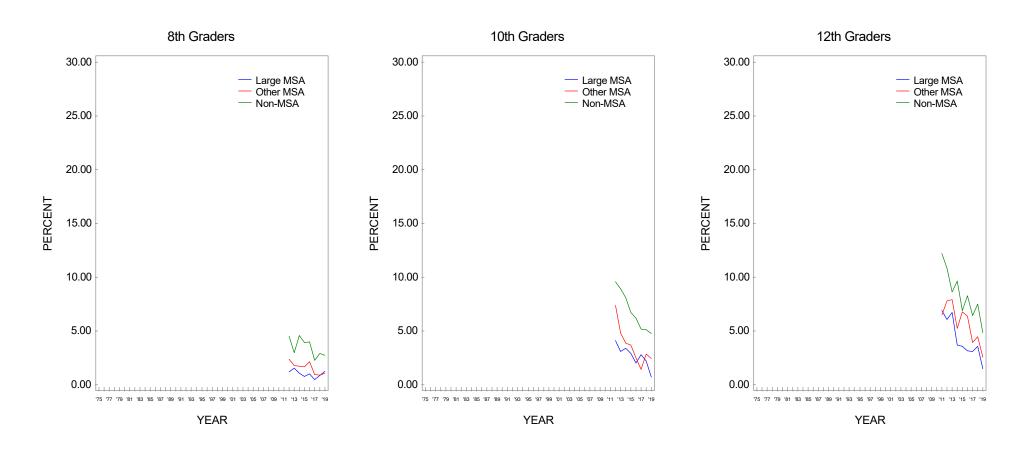
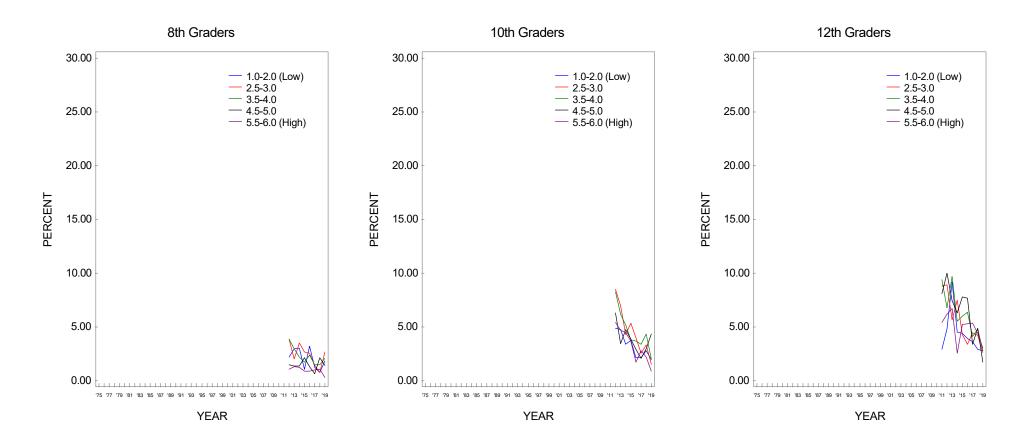
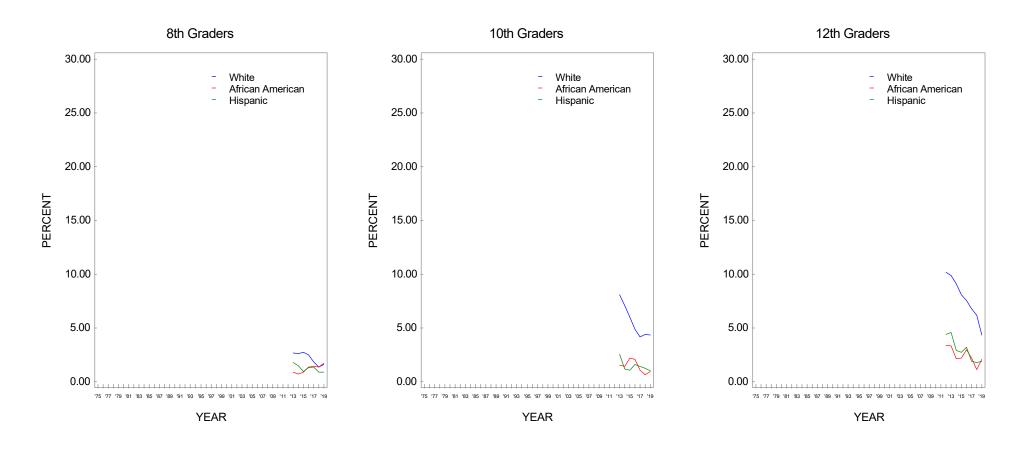


FIGURE 395
Snus: Trends in Annual Prevalence by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 396
Snus: Trends in Annual Prevalence by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 397 Steroids: Trends in Annual Prevalence by Gender

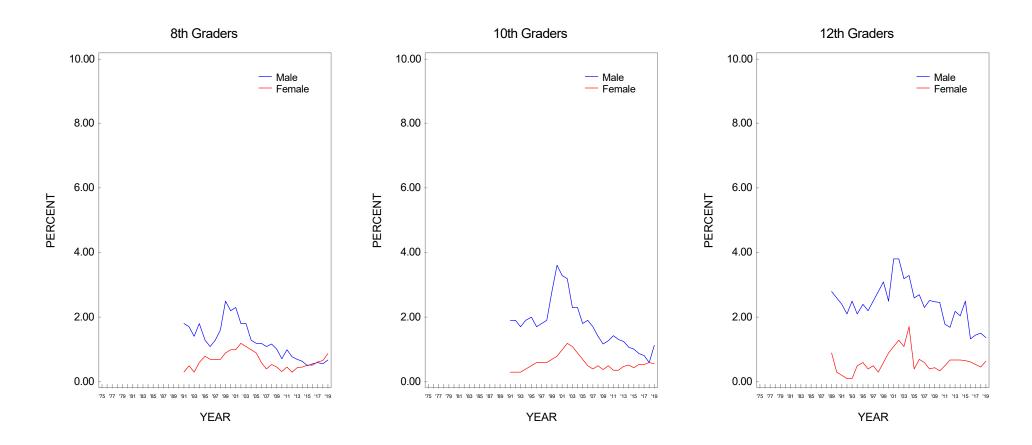


FIGURE 398
Steroids: Trends in Annual Prevalence by College Plans

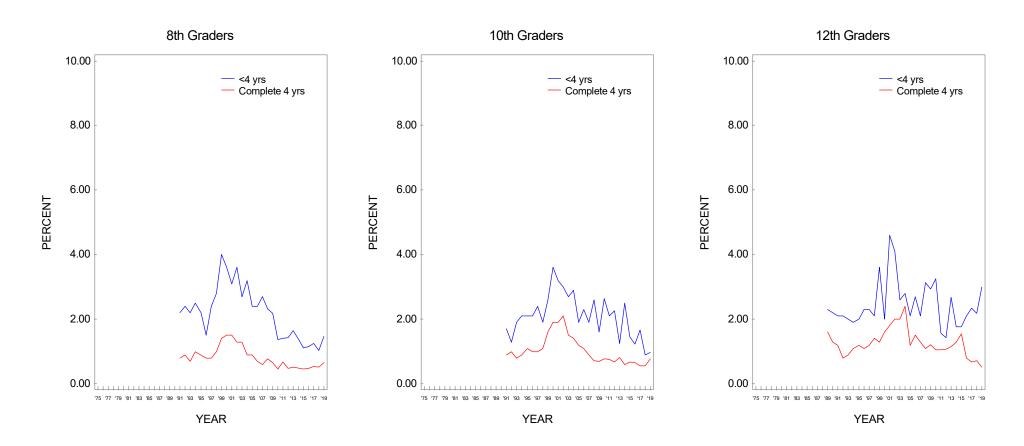


FIGURE 399
Steroids: Trends in Annual Prevalence by Region

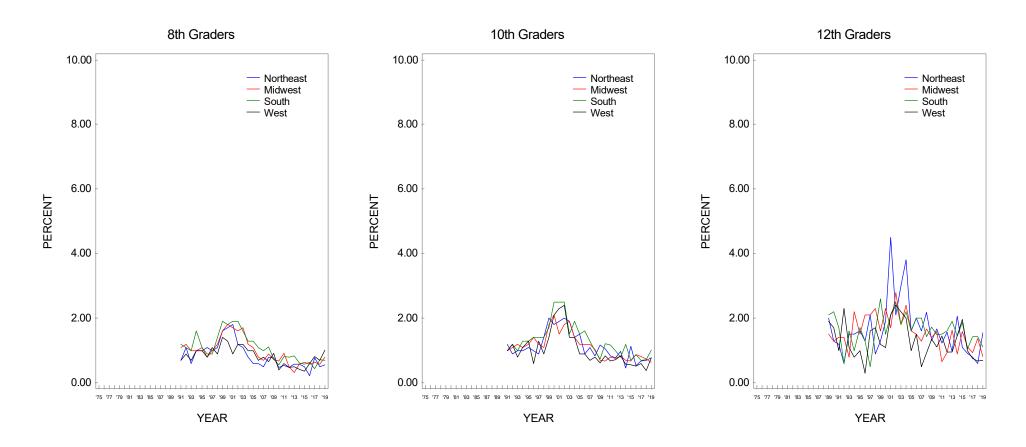


FIGURE 400 Steroids: Trends in Annual Prevalence by Population Density

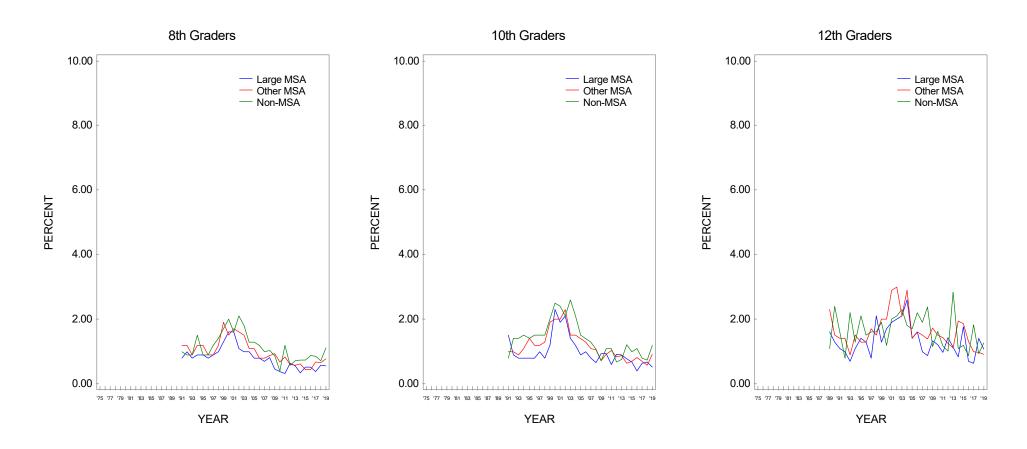
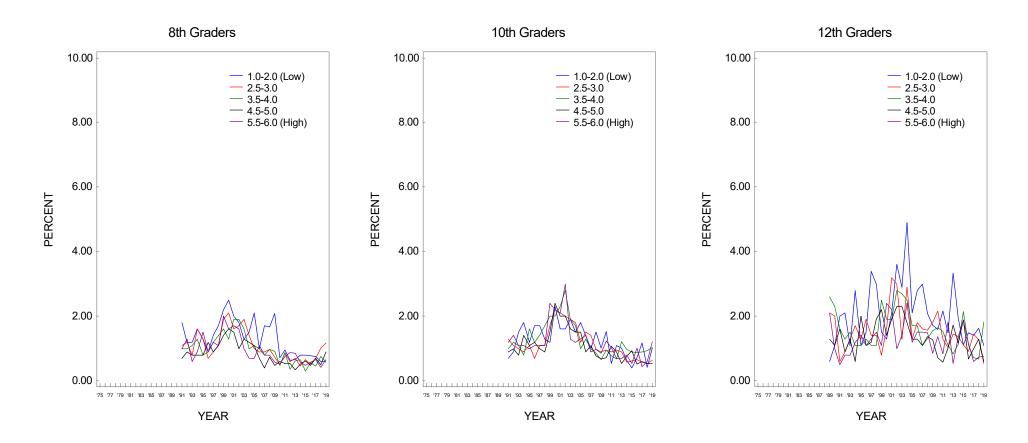
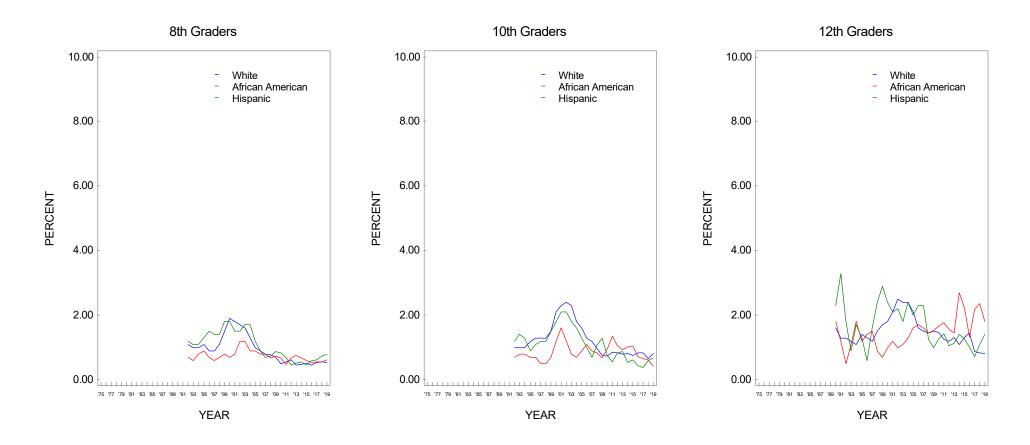


FIGURE 401
Steroids: Trends in Annual Prevalence by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 402 Steroids: Trends in Annual Prevalence by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 403
Marijuana: Trends in Lifetime Prevalence of Daily Use for Month or More by Gender

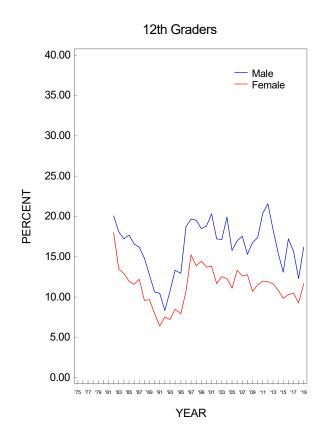


FIGURE 404 Marijuana: Trends in Lifetime Prevalence of Daily Use for Month or More by College Plans

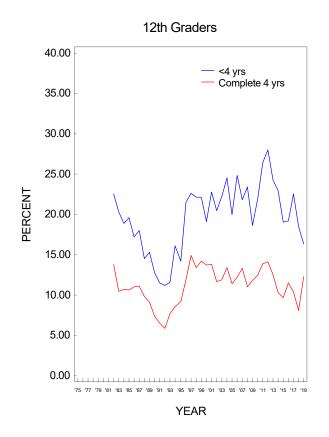


FIGURE 405
Marijuana: Trends in Lifetime Prevalence of Daily Use for Month or More by Region

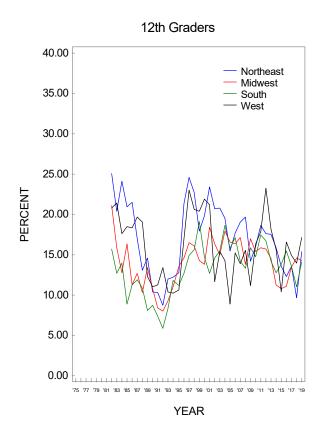


FIGURE 406
Marijuana: Trends in Lifetime Prevalence of Daily Use for Month or More by Population Density

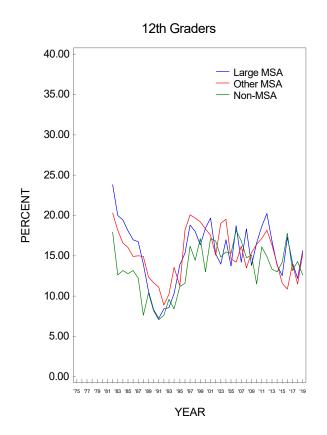
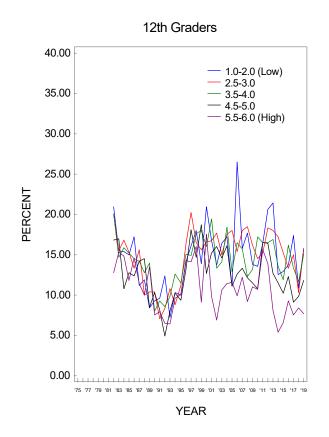
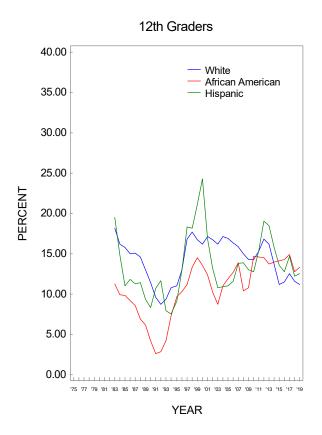


FIGURE 407
Marijuana: Trends in Lifetime Prevalence of Daily Use for Month or More by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 408
Marijuana: Trends in Lifetime Prevalence of Daily Use for Month or More by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 409 Nonprescription Diet Pills: Trends in Annual Prevalence by Gender

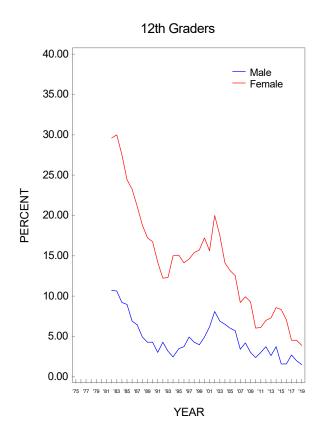


FIGURE 410 Nonprescription Diet Pills: Trends in Annual Prevalence by College Plans

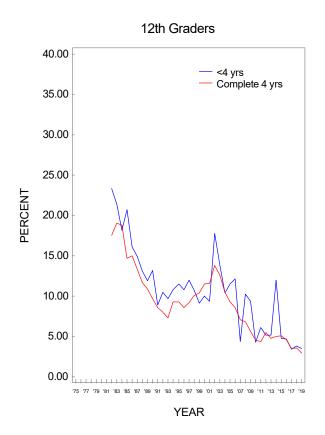


FIGURE 411 Nonprescription Diet Pills: Trends in Annual Prevalence by Region

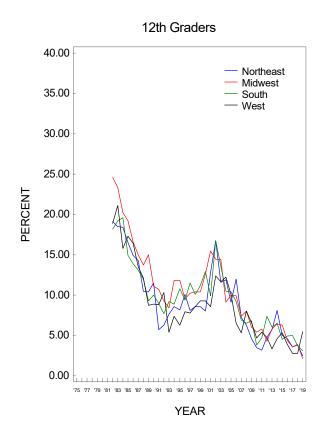


FIGURE 412 Nonprescription Diet Pills: Trends in Annual Prevalence by Population Density

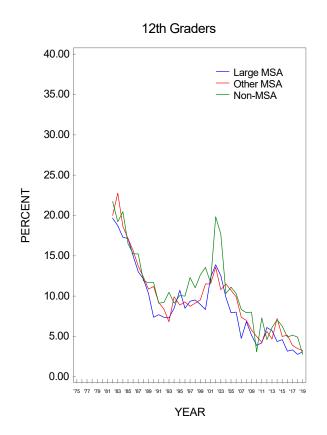
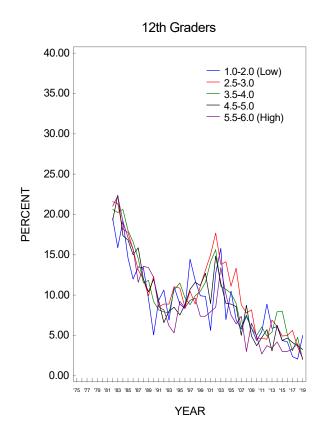
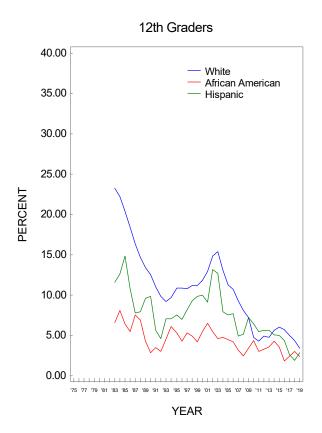


FIGURE 413
Nonprescription Diet Pills: Trends in Annual Prevalence by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 414
Nonprescription Diet Pills: Trends in Annual Prevalence by Race/Ethnicity*



*To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 415 Nonprescription Stay-Awake Pills: Trends in Annual Prevalence by Gender

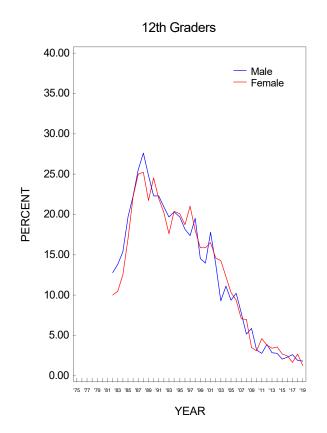


FIGURE 416 Nonprescription Stay-Awake Pills: Trends in Annual Prevalence by College Plans

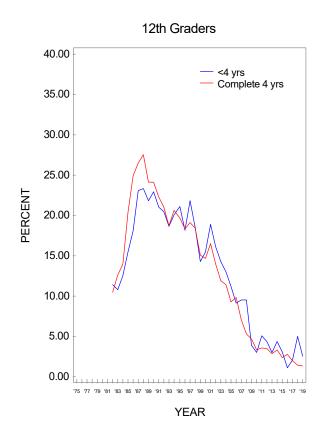


FIGURE 417 Nonprescription Stay-Awake Pills: Trends in Annual Prevalence by Region

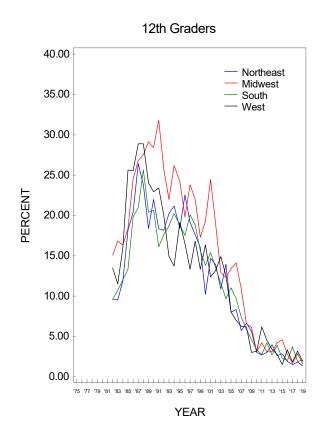


FIGURE 418
Nonprescription Stay-Awake Pills: Trends in Annual Prevalence by Population Density

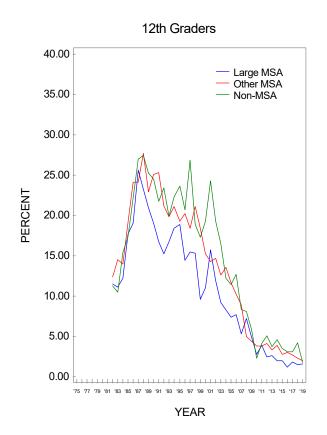
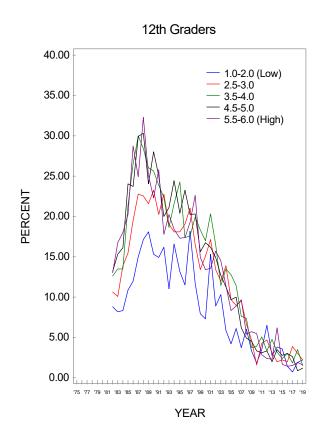
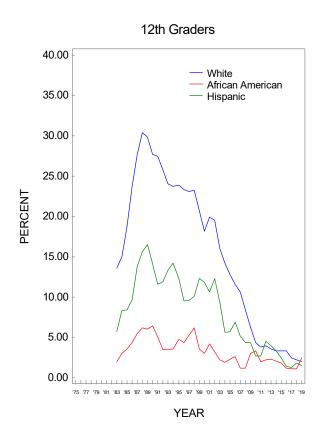


FIGURE 419
Nonprescription Stay-Awake Pills: Trends in Annual Prevalence by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 420
Nonprescription Stay-Awake Pills: Trends in Annual Prevalence by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 421
Stimulant-Type ADHD Drugs: Trends in Lifetime Prevalence of Legal Use by Gender

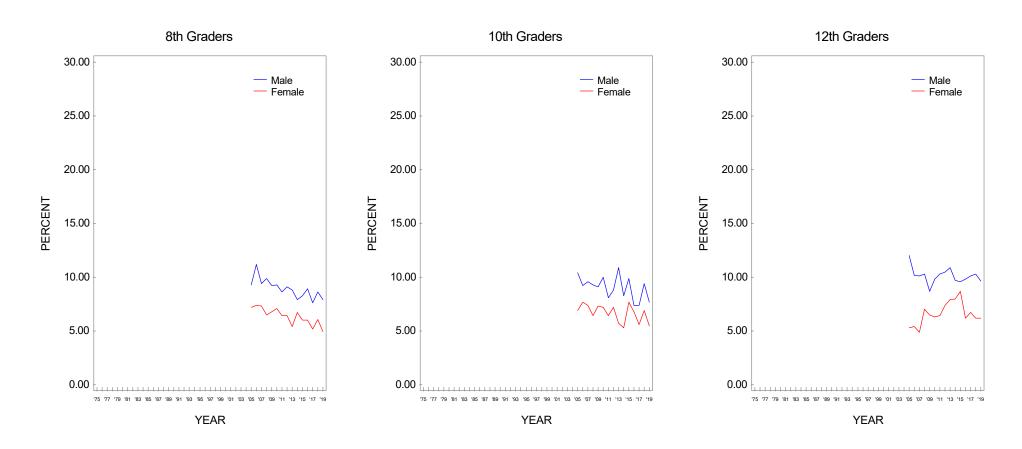


FIGURE 422 Stimulant-Type ADHD Drugs: Trends in Lifetime Prevalence of Legal Use by College Plans

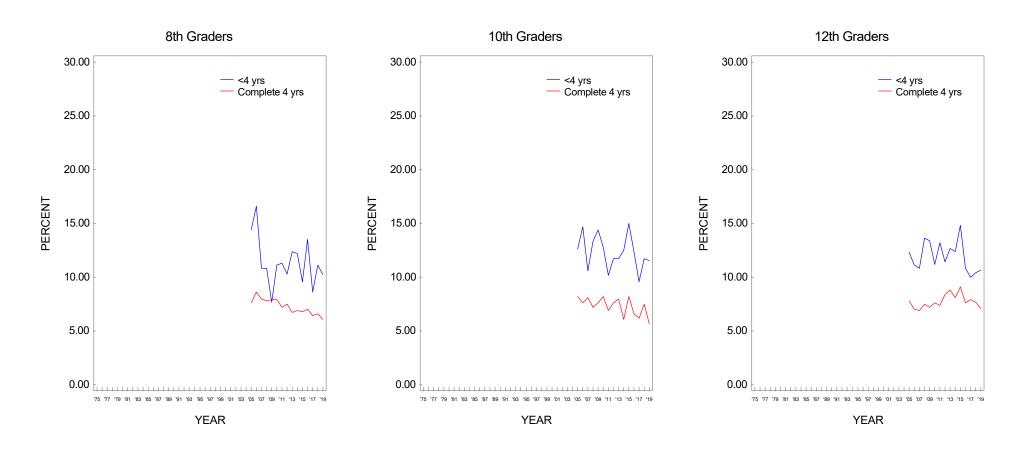


FIGURE 423
Stimulant-Type ADHD Drugs: Trends in Lifetime Prevalence of Legal Use by Region

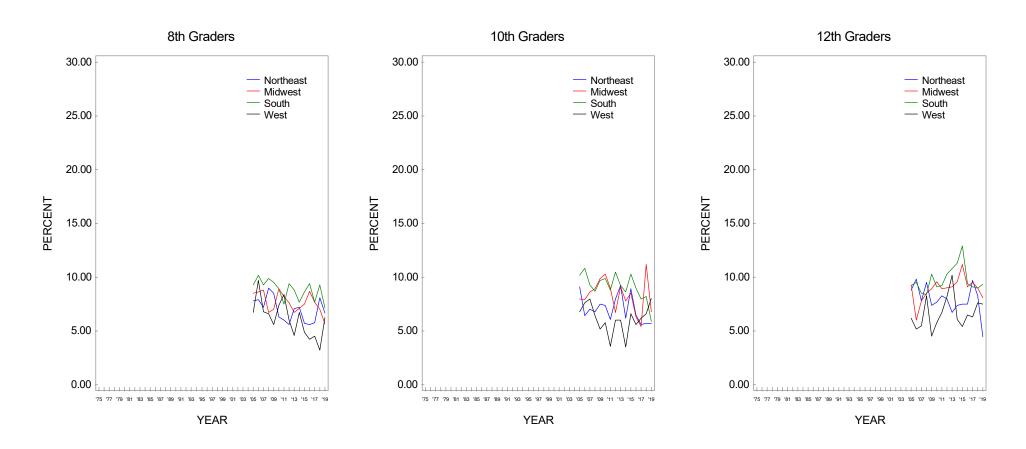


FIGURE 424
Stimulant-Type ADHD Drugs: Trends in Lifetime Prevalence of Legal Use by Population Density

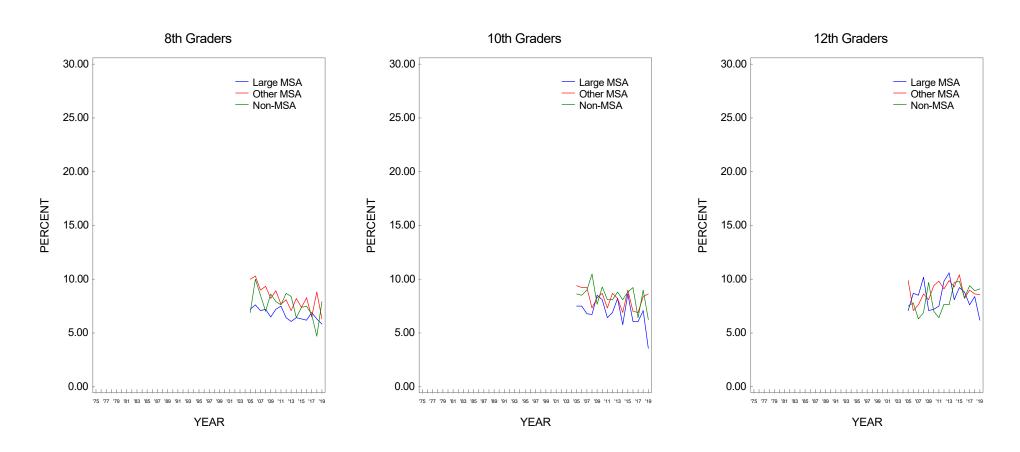
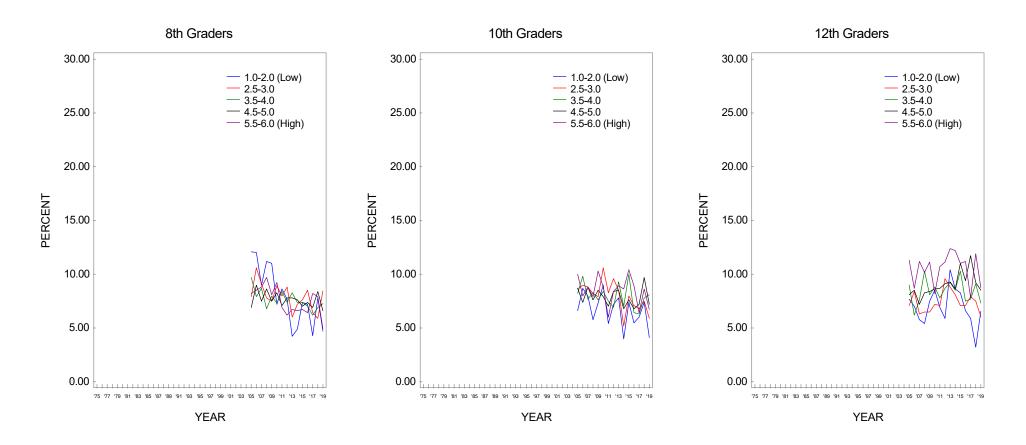
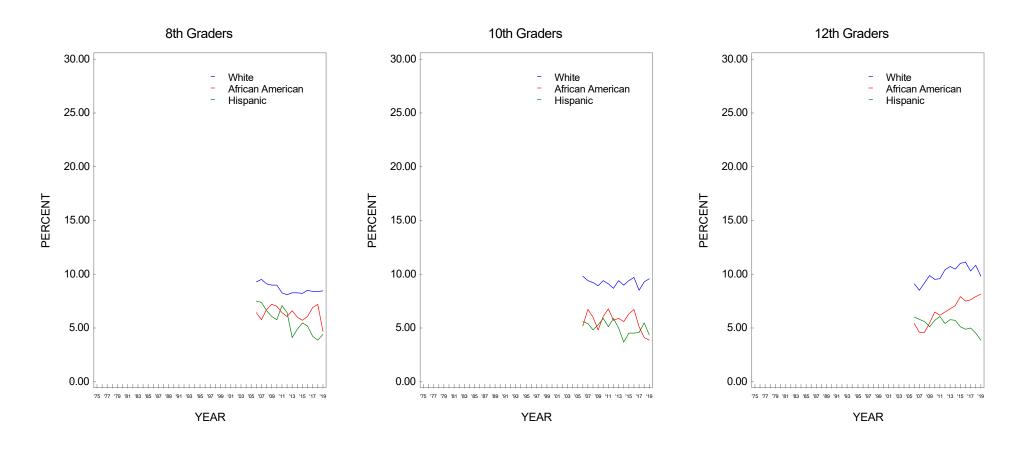


FIGURE 425
Stimulant-Type ADHD Drugs: Trends in Lifetime Prevalence of Legal Use by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 426
Stimulant-Type ADHD Drugs: Trends in Lifetime Prevalence of Legal Use by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 427 Stimulant-Type ADHD Drugs: Trends in Current Prevalence of Legal Use by Gender

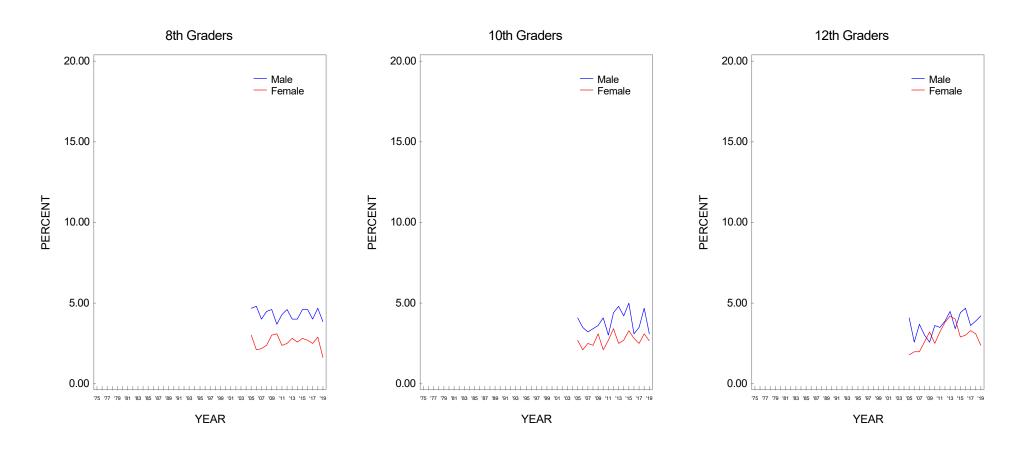


FIGURE 428
Stimulant-Type ADHD Drugs: Trends in Current Prevalence of Legal Use by College Plans

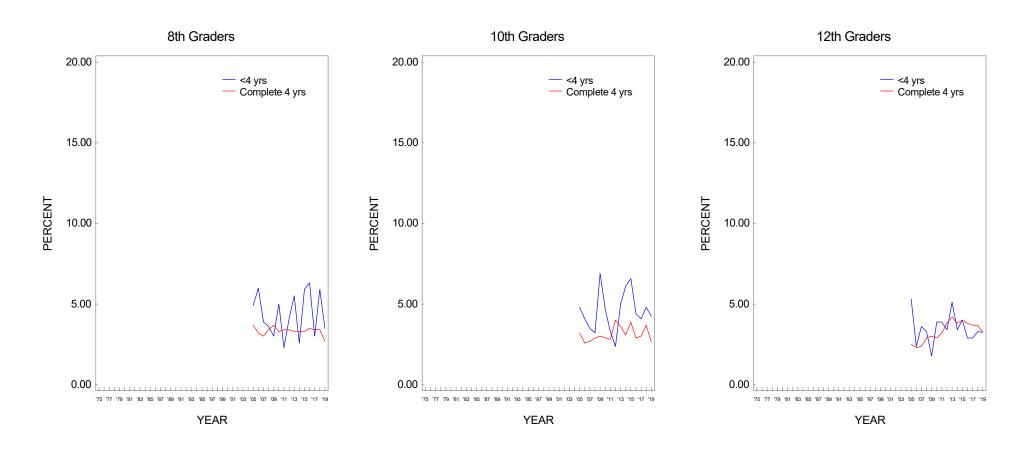


FIGURE 429
Stimulant-Type ADHD Drugs: Trends in Current Prevalence of Legal Use by Region

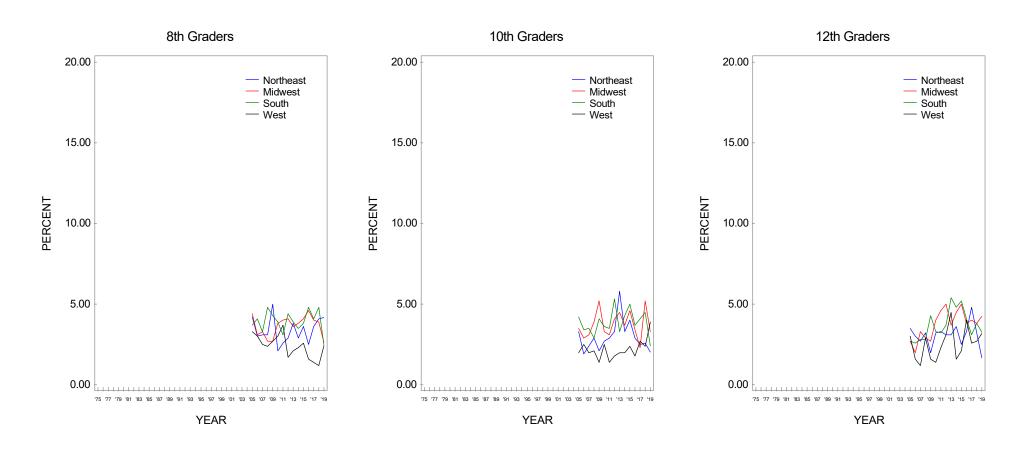


FIGURE 430
Stimulant-Type ADHD Drugs: Trends in Curent Prevalence of Legal Use by Population Density

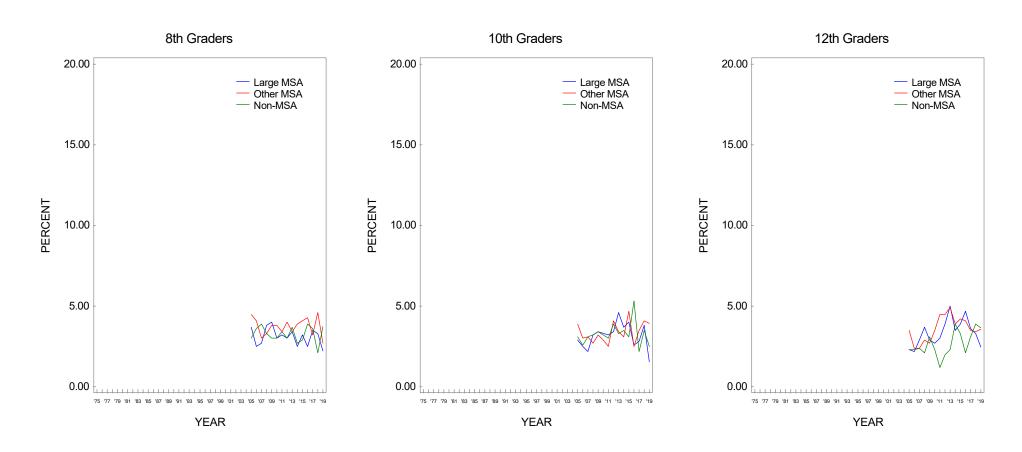
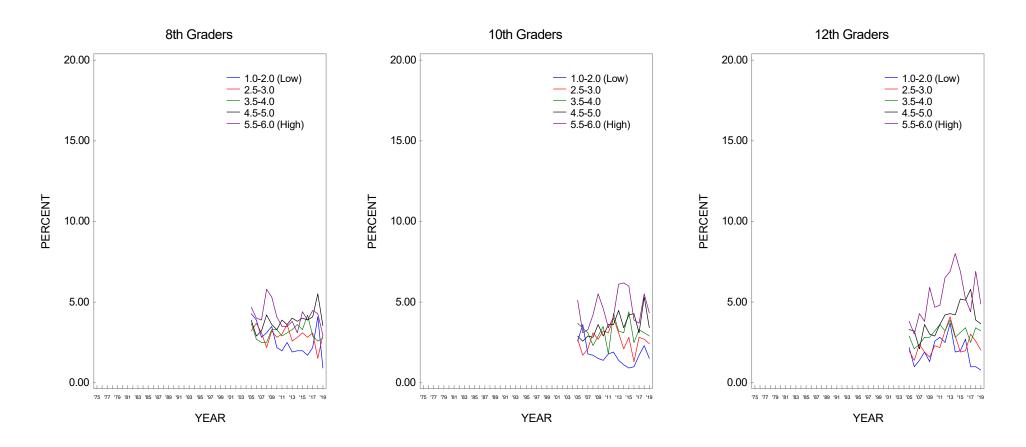
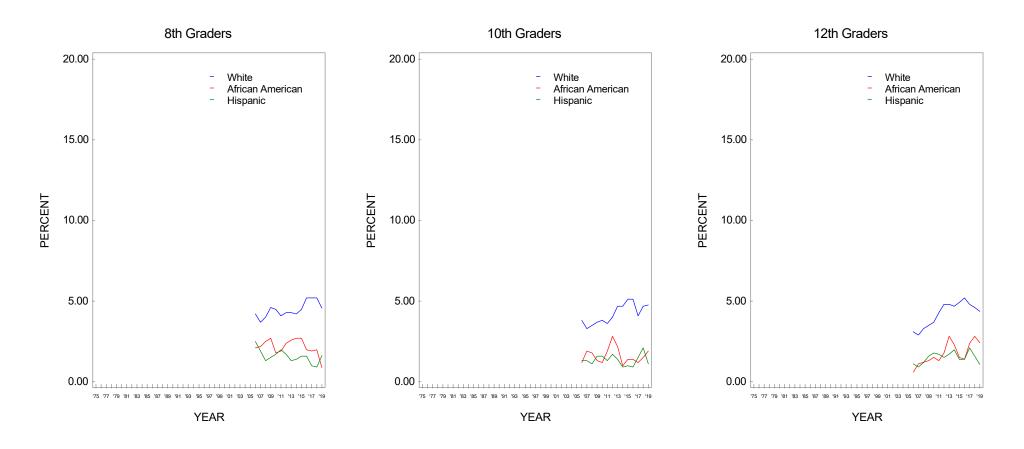


FIGURE 431
Stimulant-Type ADHD Drugs: Trends in Current Prevalence of Legal Use by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 432
Stimulant-Type ADHD Drugs: Trends in Current Prevalence of Legal Use by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 433
Non-Stimulant-Type ADHD Drugs: Trends in Lifetime Prevalence of Legal Use by Gender

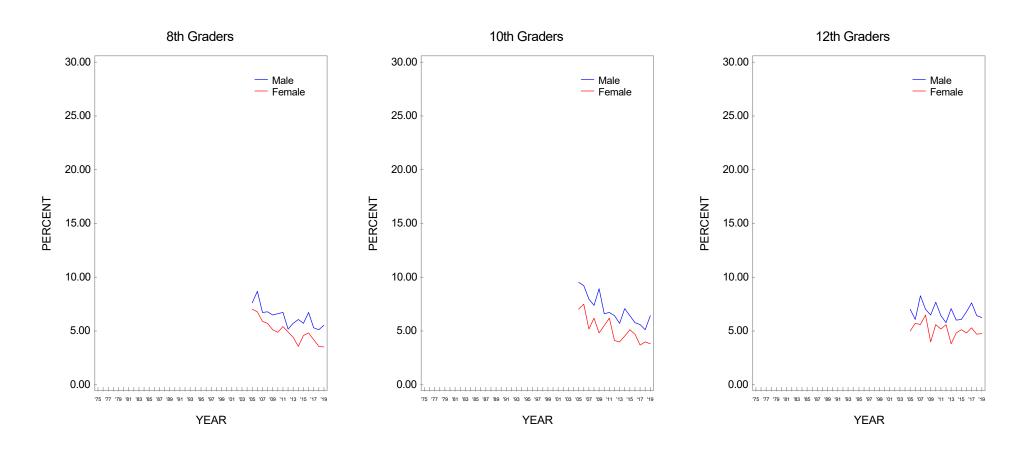


FIGURE 434
Non-Stimulant-Type ADHD Drugs: Trends in Lifetime Prevalence of Legal Use by College Plans

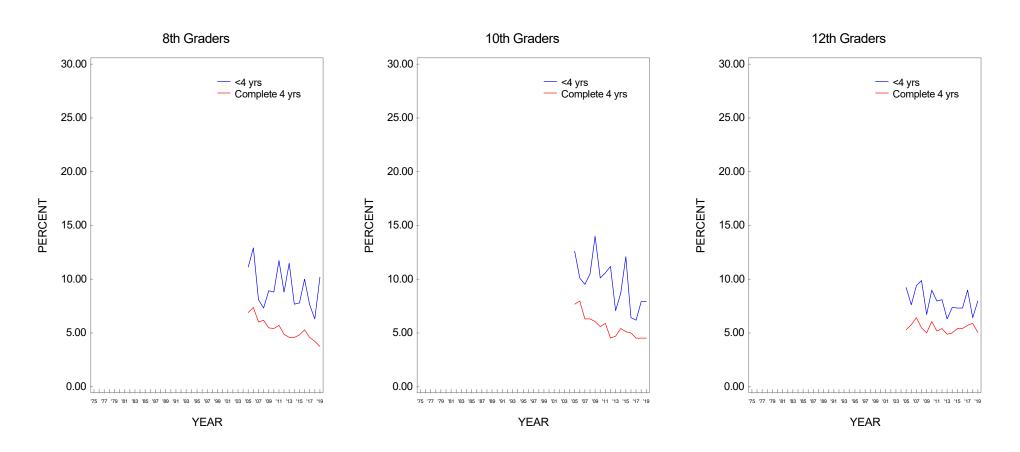


FIGURE 435
Non-Stimulant-Type ADHD Drugs: Trends in Lifetime Prevalence of Legal Use by Region

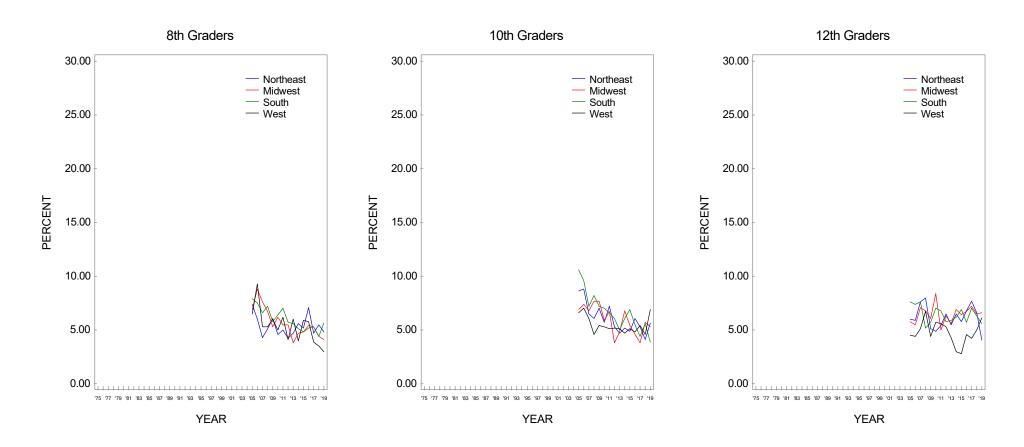


FIGURE 436
Non-Stimulant-Type ADHD Drugs: Trends in Lifetime Prevalence of Legal Use by Population Density

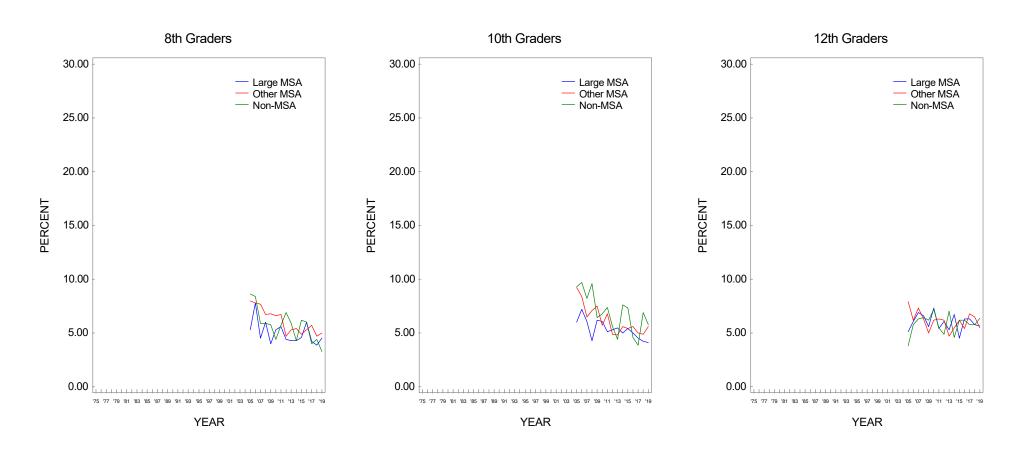
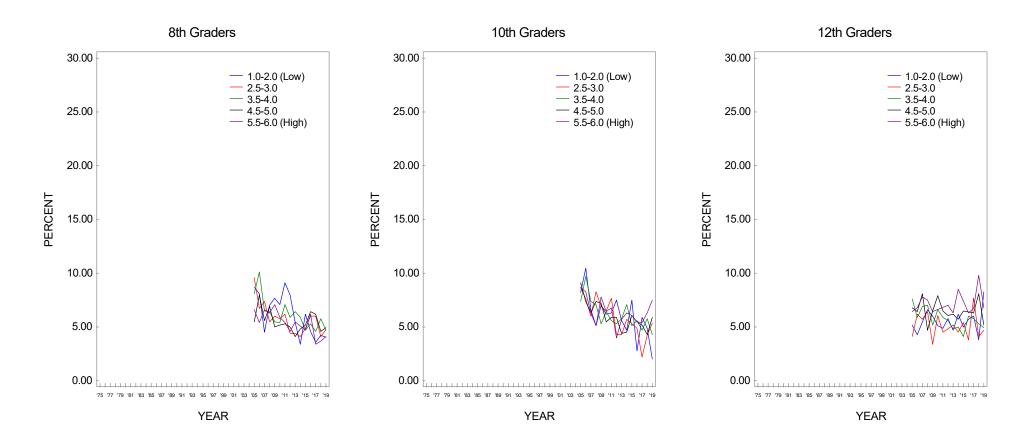
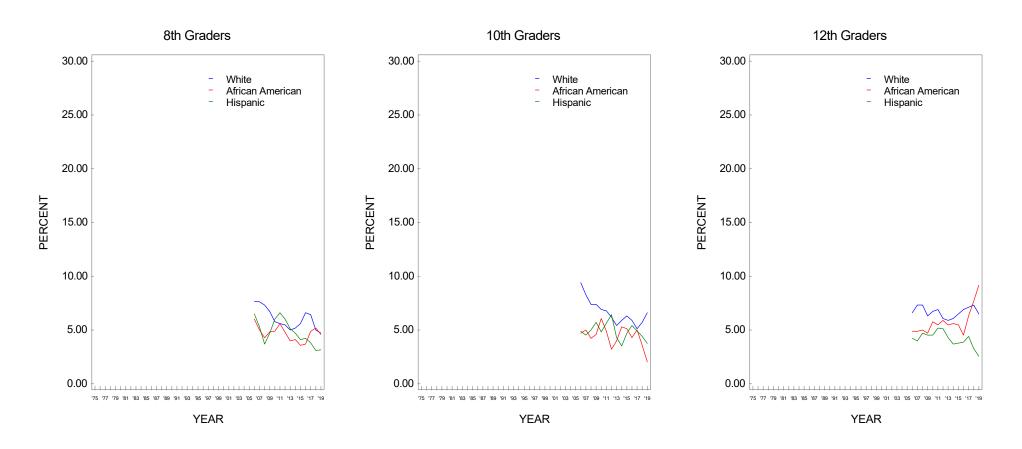


FIGURE 437
Non-Stimulant-Type ADHD Drugs: Trends in Lifetime Prevalence of Legal Use by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 438
Non-Stimulant-Type ADHD Drugs: Trends in Lifetime Prevalence of Legal Use by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 439
Non-Stimulant-Type ADHD Drugs: Trends in Current Prevalence of Legal Use by Gender

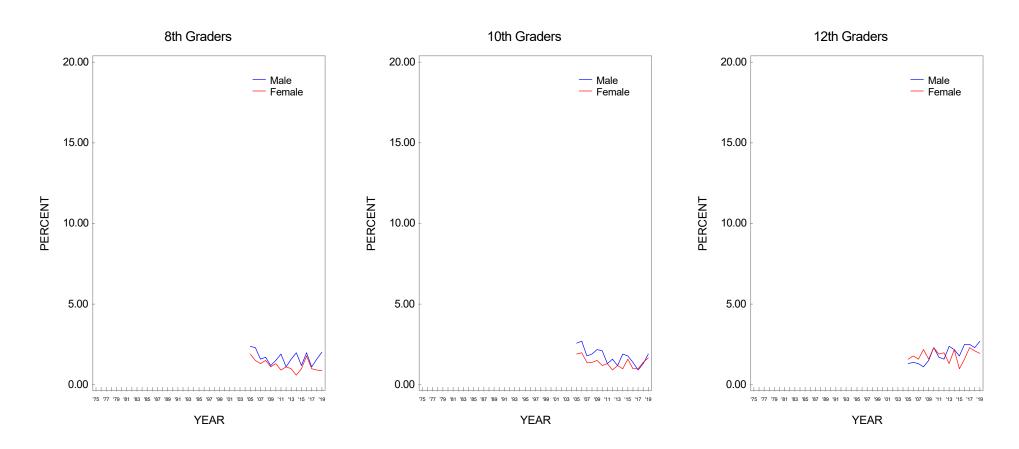


FIGURE 440
Non-Stimulant-Type ADHD Drugs: Trends in Current Prevalence of Legal Use by College Plans

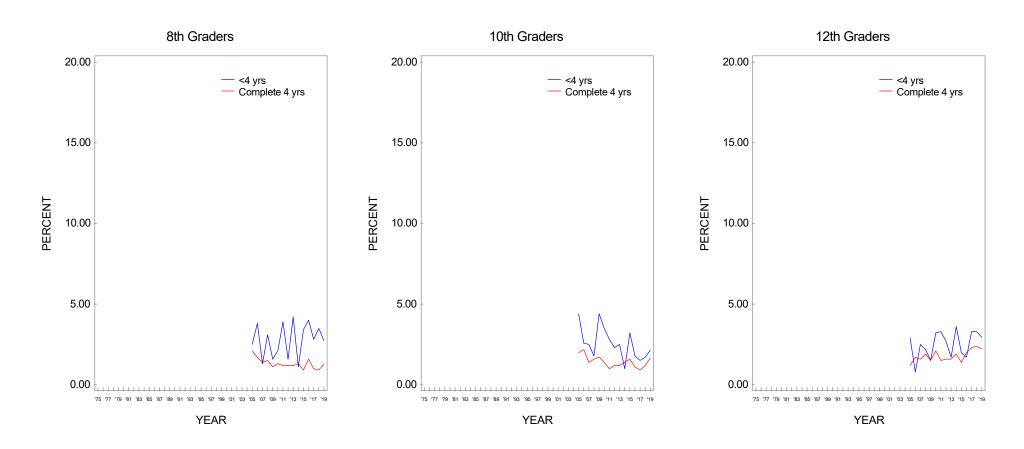


FIGURE 441
Non-Stimulant-Type ADHD Drugs: Trends in Current Prevalence of Legal Use by Region

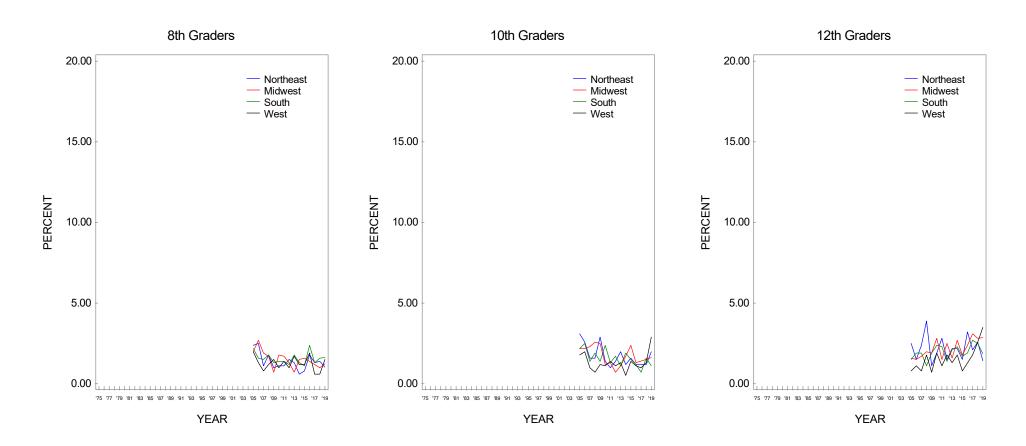


FIGURE 442
Non-Stimulant-Type ADHD Drugs: Trends in Curent Prevalence of Legal Use by Population Density

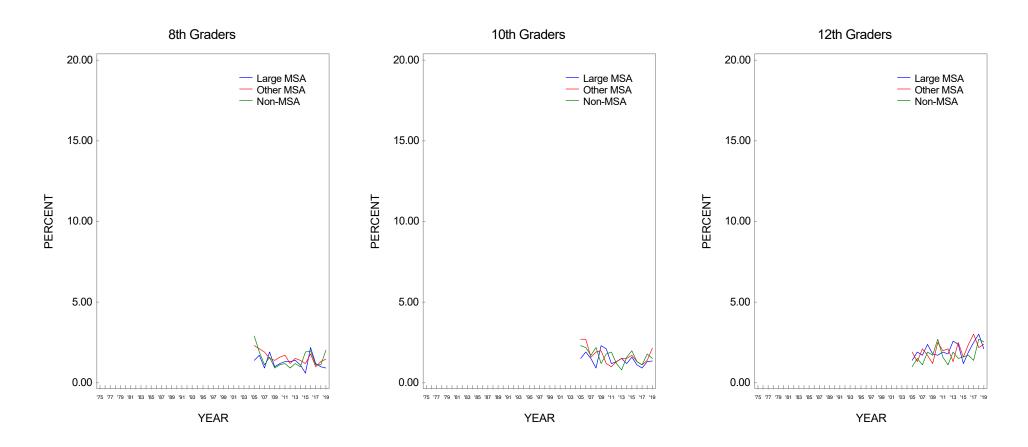
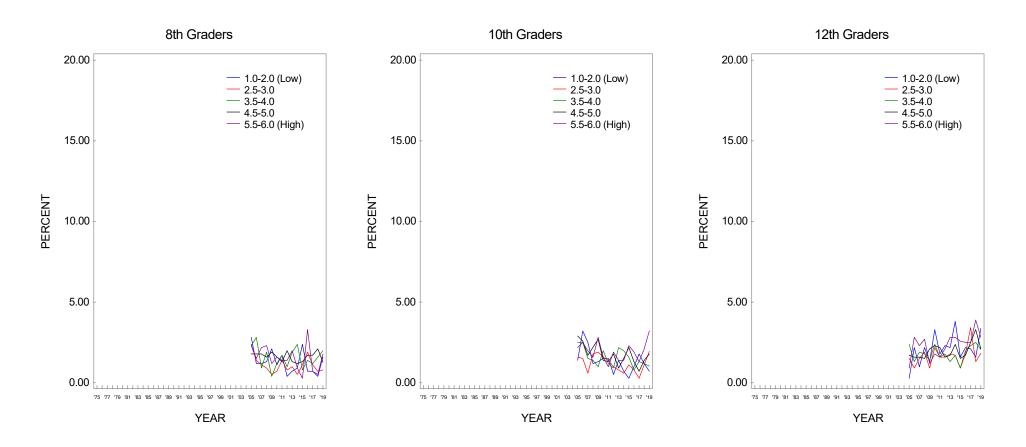
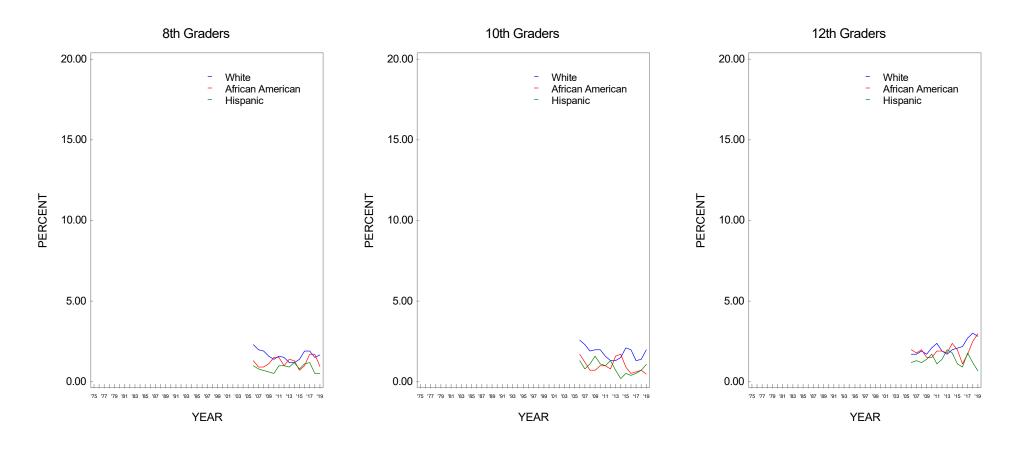


FIGURE 443
Non-Stimulant-Type ADHD Drugs: Trends in Current Prevalence of Legal Use by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 444
Non-Stimulant-Type ADHD Drugs: Trends in Current Prevalence of Legal Use by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 445
Either Stimulant-Type or Non-Stimulant-Type ADHD Drugs: Trends in Lifetime Prevalence of Legal Use by Gender

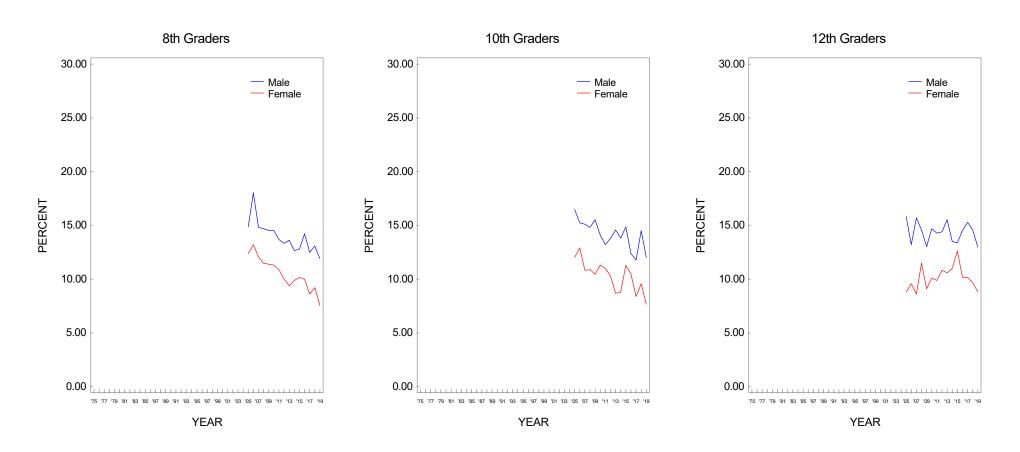


FIGURE 446
Either Stimulant-Type or Non-Stimulant-Type ADHD Drugs: Trends in Lifetime Prevalence of Legal Use by College Plans

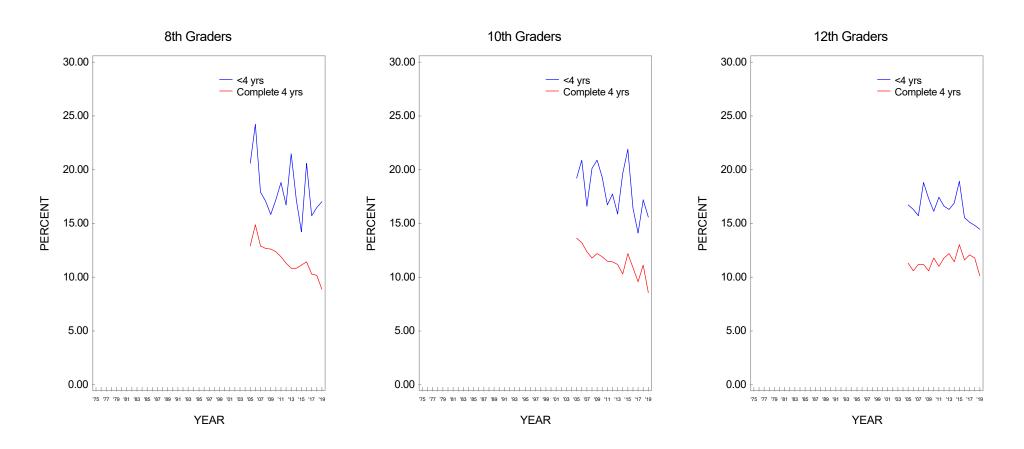


FIGURE 447
Either Stimulant-Type or Non-Stimulant-Type ADHD Drugs: Trends in Lifetime Prevalence of Legal Use by Region

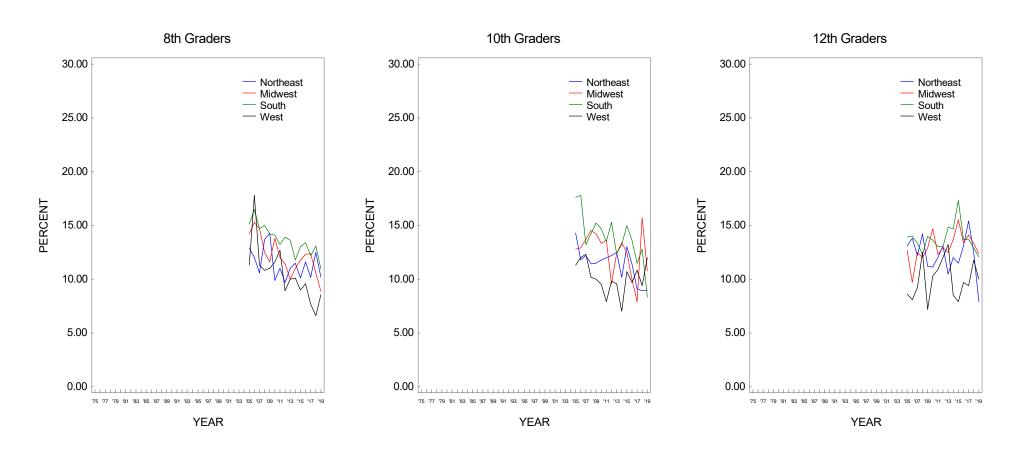


FIGURE 448
Either Stimulant-Type or Non-Stimulant-Type ADHD Drugs: Trends in Lifetime Prevalence of Legal Use by Population Density

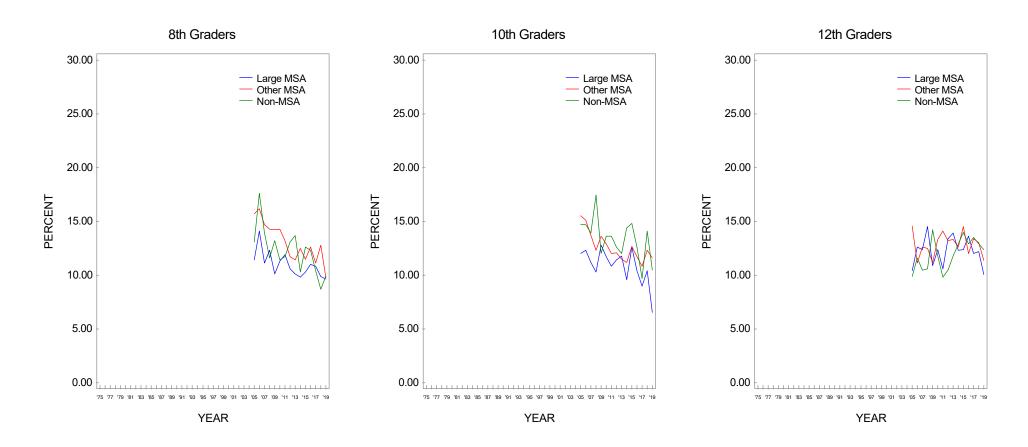
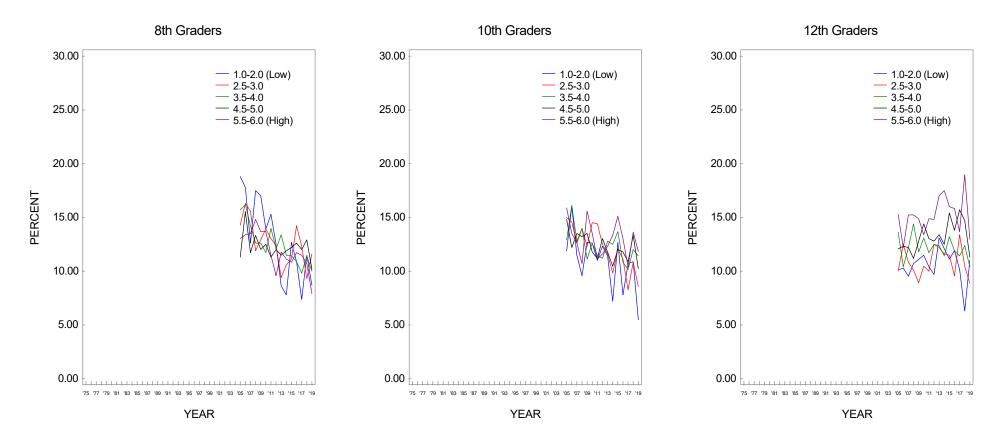
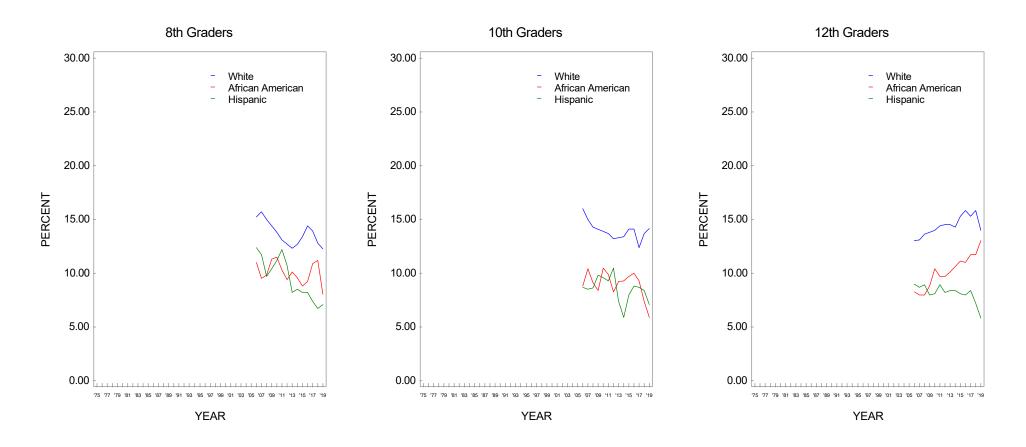


FIGURE 449
Either Stimulant-Type or Non-Stimulant-Type ADHD Drugs: Trends in Lifetime Prevalence of Legal Use by Average Education Level of Parents*



^{*}Parental education is an average score of mother's education and father's education.

FIGURE 450
Either Stimulant-Type or Non-Stimulant-Type ADHD Drugs: Trends in Lifetime Prevalence of Legal Use by Race/Ethnicity*



^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 451
Either Stimulant-Type or Non-Stimulant-Type ADHD Drugs: Trends in Current Prevalence of Legal Use by Gender

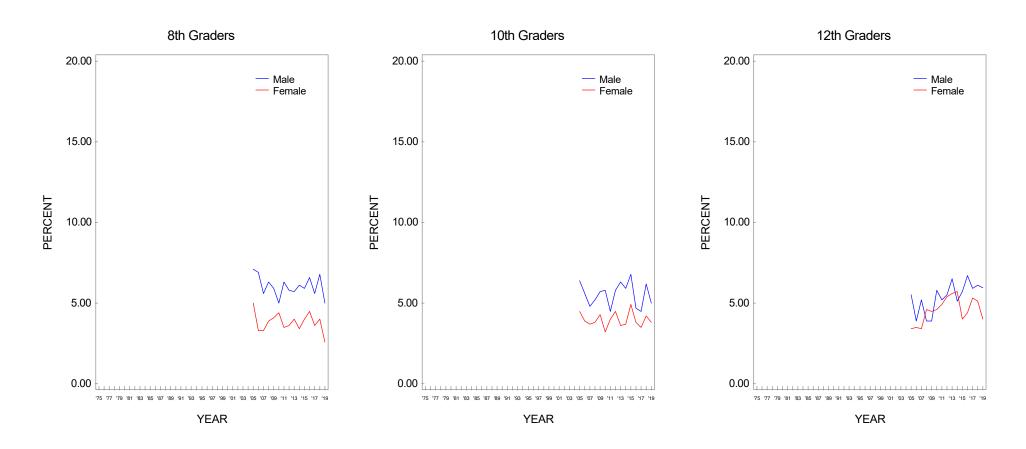


FIGURE 452
Either Stimulant-Type or Non-Stimulant-Type ADHD Drugs: Trends in Current Prevalence of Legal Use by College Plans

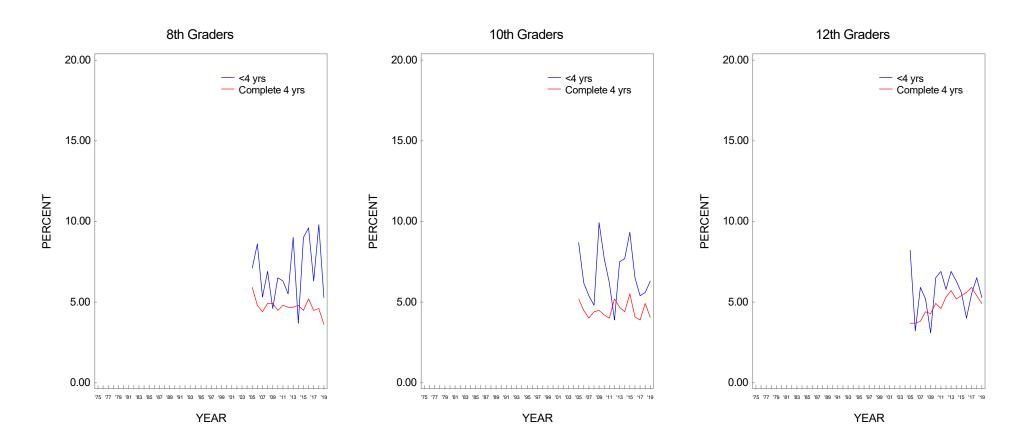


FIGURE 453
Either Stimulant-Type or Non-Stimulant-Type ADHD Drugs: Trends in Current Prevalence of Legal Use by Region

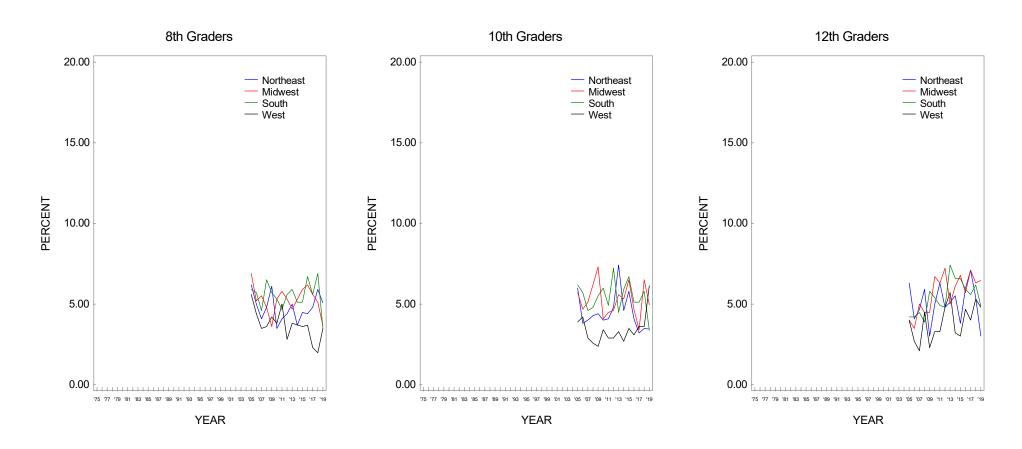


FIGURE 454
Either Stimulant-Type or Non-Stimulant-Type ADHD Drugs: Trends in Curent Prevalence of Legal Use by Population Density

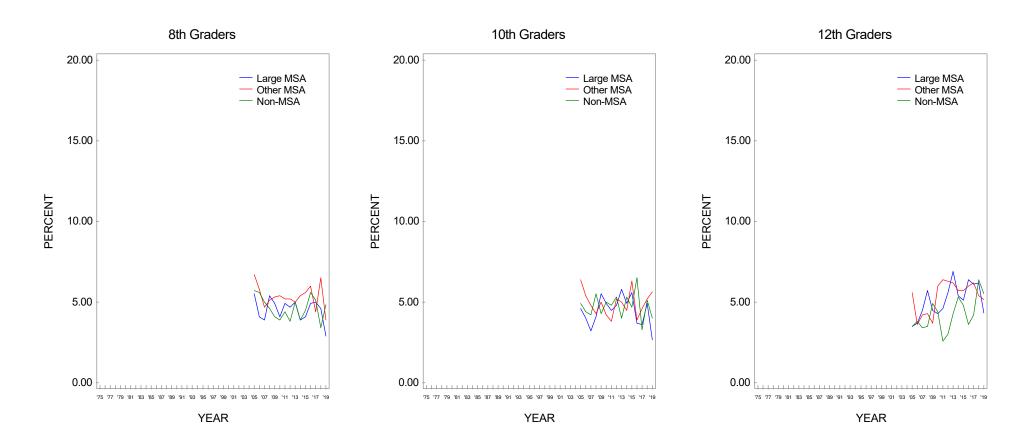
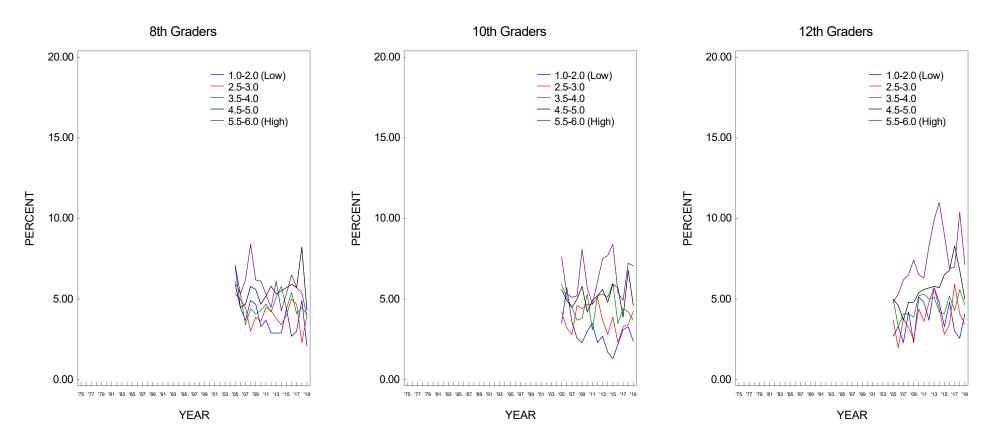
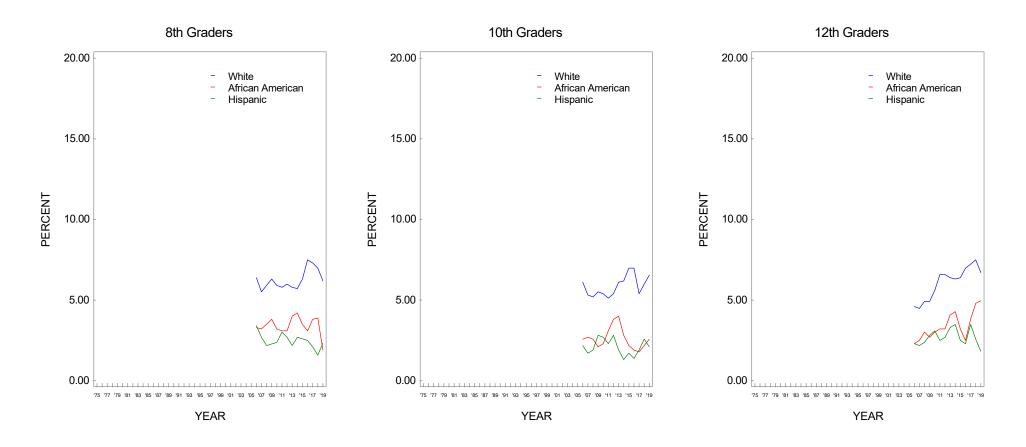


FIGURE 455
Either Stimulant-Type or Non-Stimulant-Type ADHD Drugs: Trends in Current Prevalence of Legal Use by Average Education Level of Parents*



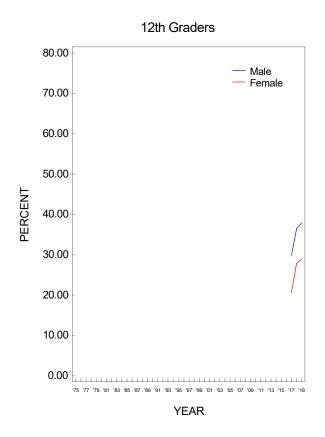
^{*}Parental education is an average score of mother's education and father's education.

FIGURE 456
Either Stimulant-Type or Non-Stimulant-Type ADHD Drugs: Trends in Current Prevalence of Legal Use by Race/Ethnicity*



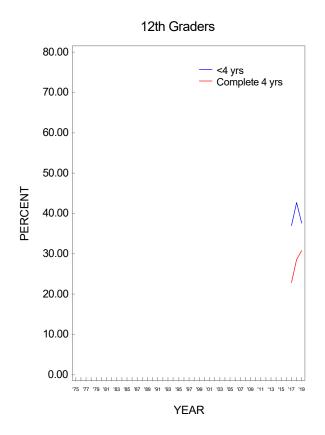
^{*}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 457 Any Nicotine Use*: Trends in 30-Day Prevalence by Gender



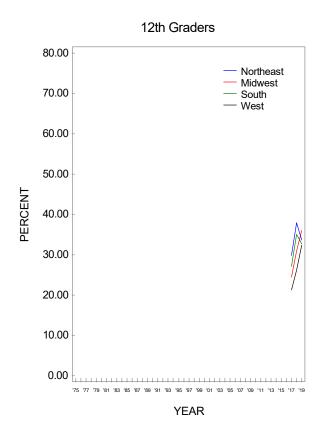
^{*}Includes use of any of the following: cigarettes, large cigars, flavored small cigars, regular small cigars, tobacco using a hookah, smokeless tobacco, or vaping nicotine.

FIGURE 458 Any Nicotine Use*: Trends in 30-Day Prevalence by College Plans



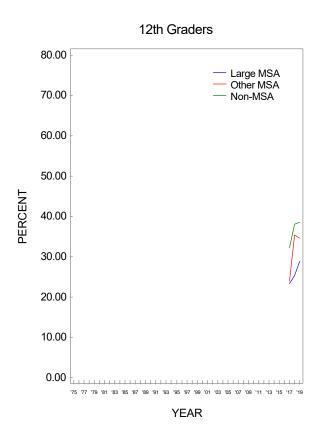
^{*}Includes use of any of the following: cigarettes, large cigars, flavored small cigars, regular small cigars, tobacco using a hookah, smokeless tobacco, or vaping nicotine.

FIGURE 459 Any Nicotine Use*: Trends in 30-Day Prevalence by Region



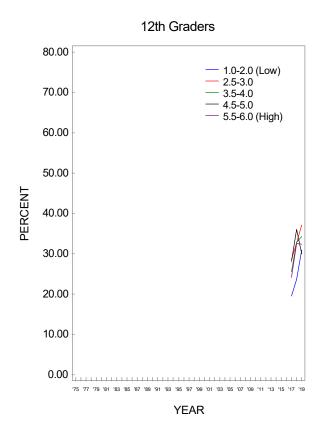
^{*}Includes use of any of the following: cigarettes, large cigars, flavored small cigars, regular small cigars, tobacco using a hookah, smokeless tobacco, or vaping nicotine.

FIGURE 460 Any Nicotine Use*: Trends in 30-Day Prevalence by Population Density



^{*}Includes use of any of the following: cigarettes, large cigars, flavored small cigars, regular small cigars, tobacco using a hookah, smokeless tobacco, or vaping nicotine.

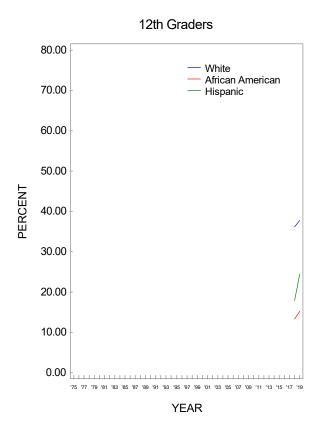
FIGURE 461
Any Nicotine Use*: Trends in 30-Day Prevalence by Average Education Level of Parents**



^{*}Includes use of any of the following: cigarettes, large cigars, flavored small cigars, regular small cigars, tobacco using a hookah, smokeless tobacco, or vaping nicotine.

^{**}Parental education is an average score of mother's education and father's education.

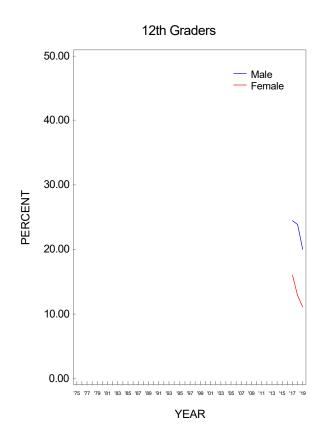
FIGURE 462 Any Nicotine Use*: Trends in 30-Day Prevalence by Race/Ethnicity**



^{*}Includes use of any of the following: cigarettes, large cigars, flavored small cigars, regular small cigars, tobacco using a hookah, smokeless tobacco, or vaping nicotine.

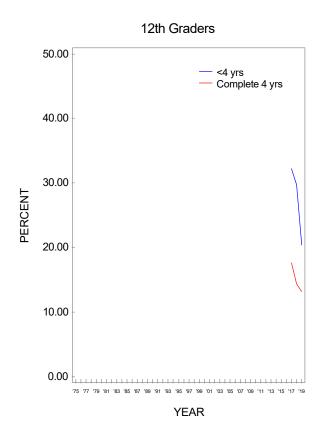
^{**}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 463 Any Nicotine Use other than Vaping*: Trends in 30-Day Prevalence by Gender



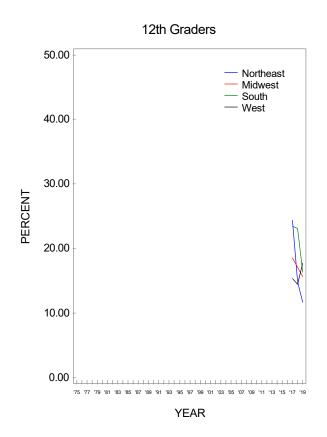
^{*}Includes use of any of the following: cigarettes, large cigars, flavored small cigars, regular small cigars, tobacco using a hookah, or smokeless tobacco.

FIGURE 464
Any Nicotine Use other than Vaping*: Trends in 30-Day Prevalence by College Plans



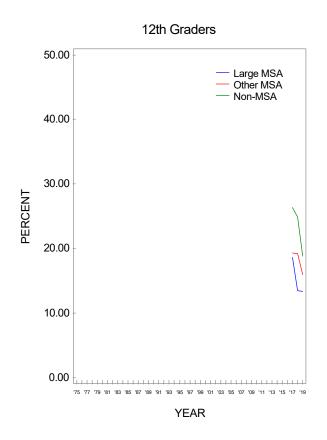
^{*}Includes use of any of the following: cigarettes, large cigars, flavored small cigars, regular small cigars, tobacco using a hookah, or smokeless tobacco.

FIGURE 465 Any Nicotine Use other than Vaping*: Trends in 30-Day Prevalence by Region



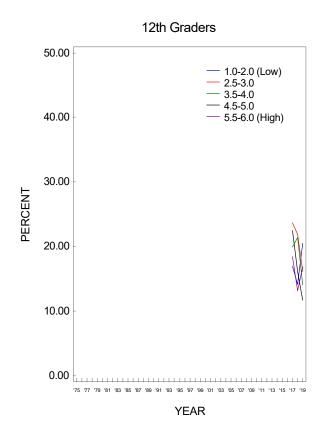
^{*}Includes use of any of the following: cigarettes, large cigars, flavored small cigars, regular small cigars, tobacco using a hookah, or smokeless tobacco.

FIGURE 466
Any Nicotine Use other than Vaping*: Trends in 30-Day Prevalence by Population Density



^{*}Includes use of any of the following: cigarettes, large cigars, flavored small cigars, regular small cigars, tobacco using a hookah, or smokeless tobacco.

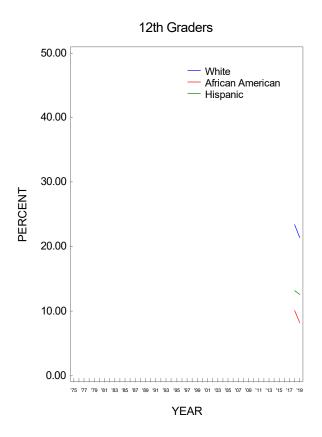
FIGURE 467
Any Nicotine Use other than Vaping*: Trends in 30-Day Prevalence by Average Education Level of Parents**



^{*}Includes use of any of the following: cigarettes, large cigars, flavored small cigars, regular small cigars, tobacco using a hookah, or smokeless tobacco.

^{**}Parental education is an average score of mother's education and father's education.

FIGURE 468 Any Nicotine Use other than Vaping*: Trends in 30-Day Prevalence by Race/Ethnicity**



^{*}Includes use of any of the following: cigarettes, large cigars, flavored small cigars, regular small cigars, tobacco using a hookah, or smokeless tobacco.

^{**}To derive percentages for each racial/ethnic subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

DEFINITION OF BACKGROUND AND DEMOGRAPHIC SUBGROUPS

The following are brief definitions of the background and demographic subgroups explored in the Monitoring the Future (MTF) national survey of 8th, 10th, and 12th graders' attitudes toward and use of drugs (including alcohol and tobacco). A more thorough discussion of the findings can be found in Appendix B of the MTF Volume I monograph, *Monitoring the Future National Survey Results on Drug Use, 1975-2019: Volume I, Secondary School Students.*⁴ (Note: All case counts provided in the tables are based on weighted Ns.)

Total: The total sample of respondents in a given year based on weighted cases (set to equal

the total number of actual cases).

Gender: Male and female. Respondents are asked, "What is your sex?" Those with missing data

on the question are omitted from the data presented by gender.

College Respondents are asked how likely it is that they will graduate from a four-year college **Plans:** program. College plans groupings are defined as follows:

None or under four years. Respondents who indicate they "definitely won't" or "probably won't" graduate from a four-year college program. (Note that, among those who do not expect to complete a four-year college program, a number still expect to get some postsecondary education.)

Complete four years. Respondents who indicate they "definitely will" or "probably will" graduate from a four-year college program.

Those not answering the college plans question are omitted from both groupings.

Region of the country in which the respondent's school is located. There are four mutually exclusive regions in the US based on Census Bureau categories, defined as

follows:

Region:

Northeast. Census classifications of New England and Middle Atlantic states consist of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, and Pennsylvania.

Midwest. Census classifications of East North Central and West North Central states consist of Ohio, Indiana, Illinois, Michigan, Wisconsin, Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, and Kansas.

South. Census classifications of South Atlantic, East South Central, and West South Central states consist of Delaware, Maryland, District of Columbia, Virginia, and West Virginia, North Carolina, South Carolina, Georgia, Florida, Kentucky, Tennessee, Alabama, Mississippi, Arkansas, Louisiana, Oklahoma, and Texas.

⁴Miech, R. A., Johnston, L. D., O'Malley, P. M., Bachman, J. G., Schulenberg, J. E., & Patrick, M. E. (2020, forthcoming). *Monitoring the Future national survey results on drug use, 1975-2019: Volume I, Secondary school students.* Ann Arbor: Institute for Social Research, The University of Michigan.

West. Census classifications of Mountain and Pacific states consist of Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada, Washington, Oregon, and California (Alaska and Hawaii are also included in this Census region, but are not included in the MTF study).

Population Density:

Population density of the area in which the schools are located. There are three mutually exclusive groups into which schools have been placed in a given year based on population density (which has been variously defined over time by the U.S. Bureau of the Census, as described below). The 1975–1985 samples were based on the 1970 Census; in 1986, one-half of the sample was based on the 1970 Census and the other half was based on the 1980 Census. In 1987 through 1993, all samples were based on the 1980 Census; in 1994, half of the sample was based on the 1980 Census and half on the 1990 Census. Starting in 2006 until 2013, each first-year half-sample of schools comes from a sample design that utilizes 2000 Census counts as the measure of size for first-stage units. Counts from the 2010 Census will be used for the samples beginning in 2014.

The three levels of population density were defined in terms of Standard Metropolitan Statistical Area (SMSA) designations through 1985, and then changed to the new Census Bureau classifications of Metropolitan Statistical Areas (MSAs). Except in the New England states, an MSA is a county or group of contiguous counties that contain at least one city of 50,000 inhabitants or more or twin cities with a combined population of at least 50,000. In the New England states, MSAs consisted of towns and cities instead of counties until 1994, after which New England Consolidated Metropolitan Areas (NECMAs) were used to define MSAs. Each MSA must include at least one central city, and the complete title of an MSA identifies the central city or cities. For the complete description of the criteria used in defining MSAs, see the Office of Management and Budget publication, *Metropolitan Statistical Areas*, 1990 (NTIS-PB90- 214420), Washington, D.C. The population living in an MSA is designated as the metropolitan population. The levels of population density used in MTF include those described here:

Large MSA. These were the 12 largest SMSAs as of the 1970 Census and were used for the 1975–1985 samples: New York, Los Angeles, Chicago, Philadelphia, Detroit, San Francisco, Washington, Boston, Pittsburgh, St. Louis, Baltimore, and Cleveland. As of the 1980 Census, the Large MSA group consisted of the 16 largest MSAs in the nation. This new structure was used for the 1986–1994 samples. These 16 MSAs include all of those mentioned above except Cleveland, plus Dallas-Fort Worth, Houston, Nassau-Suffolk, Minneapolis-St. Paul, and Atlanta.

A new sample design was developed based on the 1990 Census, beginning with the first-year half-sample of schools chosen in 1994. In the 1990s sample, only the eight largest MSAs are represented with certainty at all three grade levels; 16 other large MSAs are divided into pairs, with half randomly assigned to both the 8th- and 12th- grade samples and the other half assigned to the 10th-grade sample. The eight largest MSAs are New York, Los Angeles, Chicago, Philadelphia PA-NJ, Detroit, Washington DC-MD-VA, Dallas-Ft. Worth, and Boston. The other 16 large MSAs are Houston, Atlanta, Seattle-Tacoma, Minneapolis MN-WI, St. Louis MO-IL, San Diego, Baltimore, Pittsburgh, Phoenix, Oakland, Cleveland, Miami, Newark, Denver, San Francisco, and Kansas City MO-KS.

Other MSAs. This category consists of all other, smaller MSAs, as defined by the Census, except those listed previously.

Non-MSAs. This category consists of all areas not designated as MSAs—in other words, they do not contain a town (or twin cities) of at least 50,000 inhabitants. The population living outside of MSAs constitutes the nonmetropolitan population.

Parental Education:

This is an average of mother's education and father's education based on the respondents' answers about the highest level of education achieved by each parent, using the following scale: (1) completed grade school or less, (2) some high school, (3) completed high school, (4) some college, (5) completed college, and (6) graduate or professional school after college. Missing data were allowed for one of the two parents. The respondent was instructed, "If you were raised mostly by foster parents, stepparents, or others, answer for them. For example, if you have both a stepfather and a natural father, answer for the one that was most important in raising you."

Race/ Ethnicity:

From 1975 through 2004, respondents were asked, "How do you describe yourself?" and presented with a list of various racial/ethnic categories. A general instruction told them to select the one best response for each question. In 2005, the instructions in half of the questionnaire forms were revised in order to be more consistent with the guidelines of the Office of Management and Budget for assessing race/ethnicity. In the changed forms, respondents were presented with a list of racial/ethnic categories and instructed to "select one or more responses." An examination of the data showed that relatively few respondents (about 6% in 2005 and about 6.6% of the sample in 2014) selected more than one racial/ethnic category. Because some survey questions appear in only one or a few forms, there was some variation in the version of the race/ethnicity question upon which the 2005 data were based. Based on the analyses we have examined, we do not believe these different permutations make any appreciable difference in the results. In 2006 and thereafter the revised instruction was used in all forms. Those checking multiple racial/ethnic groups or one of the other specified groups are omitted from the reporting on race/ethnicity in this volume because of the small numbers of cases.

White/Caucasian. Consists of those respondents who describe themselves as White or Caucasian in 1975–2004. In 2005, the unchanged questionnaire forms were treated in a similar manner. For the revised question in 2005 and for all forms in 2006 and beyond, those checking only White and no other racial/ethnic group were categorized as White.

African American. Consists of those respondents who in 1975–1990 describe themselves as Black or Afro-American or who, in 1991–2004, describe themselves as Black or African American. In 2005, the unchanged questionnaire forms were treated in a similar manner; for the revised question in 2005 and for all forms in 2006 and beyond, only those checking Black or African American and no other racial ethnic group were categorized as African American.

Hispanic. Consists of those respondents who in 1975–1990 describe themselves as Mexican American or Chicano, or Puerto Rican or other Latin American. After 1990, this group includes those respondents who describe themselves as Mexican American or Chicano, Cuban American, Puerto Rican American, or other Latin American. (The term "Puerto Rican American" was shortened to "Puerto Rican" after 1994.) In 2005, the unchanged questionnaire forms were treated in a similar manner; the changed forms

in 2005 and for all forms in 2006 and beyond, only those checking Mexican American or Chicano, Cuban American, Puerto Rican, or Other Hispanic or Latino and no other racial/ethnic group were categorized as Hispanic.

TRENDS BY SUBGROUP: SUPPLEMENTAL TABLES FOR SECONDARY SCHOOL STUDENTS

The tables in this section contain the numbers underlying the trend lines shown in the figures on subgroup trends. Trends in subgroup data for the 1975–2018 Monitoring the Future (MTF) results containing 8th, 10th, and 12th graders' use of drugs and alcohol are presented in tables below. The trends observed span major classes of drugs for population subgroups defined by gender, college plans, region, population density, parental education, and race/ethnicity. Appendix D of Volume I contains a portion of the information presented here.⁵

Due to the sheer quantity of information such trend tables generate for each prevalence measure (e.g., lifetime, annual, 30-day, daily), we have selected only the prevalence periods that seem most useful for understanding subgroup differences below. Thus, for most drugs, we include only annual prevalence; rates for additional prevalence periods are provided for alcohol, cigarettes, and smokeless tobacco because of their more frequent use. The numbers of cases that go with the data in the figures may be found in the complete set of tables that are included below.

The subgroups distinguished in these tables are used throughout Volume I and defined in the previous section. The reader should note that two-year moving averages are given for the three major racial/ethnic groups included in order to reduce fluctuations in the trends due to random sampling differences. A footnote in each table describes the procedure used to obtain the presented data. A question about race/ethnicity identification was changed in 2005 in half of the questionnaire forms; allowing respondents to select multiple categories of race/ethnicity rather than just one (see the previous section for more details). In 2006, the remaining questionnaire forms were changed in a like manner. However, we believe that this change has had little effect on the results because so few respondents selected more than one of the categories offered.

For nearly all drugs, we provide one table showing the subgroup trends (since 1991) for 8th graders, a second table of trends (since 1991) for 10th graders and a third table showing the longer-term trends (since 1975) for 12th graders. However, for two of the drugs—sedatives (barbiturates) and narcotics other than heroin—the 8th- and 10th-grade data have been omitted, as they have been throughout MTF publications because we are less certain about the validity of the answers provided by those younger students. Specifically, we believe that they often fail to omit nonprescription substances. Usage questions for a few other drugs are simply not asked of 8th and 10th graders; thus, only 12th-grade tables are presented.

Sample sizes should be taken into account when interpreting the importance of any changes observed. The numbers provided in the tables assume that all respondents in a given grade were asked about their use of the drug. Some of the drugs were not contained in all questionnaire forms, meaning that the subgroup and total numbers must be adjusted accordingly. The "Notes" section at the bottom of each table will indicate if only a fraction of the total sample received the question.

This paper also includes graphic presentations of the trends presented in the tables for the various demographic subgroups. These figures use color to help distinguish the various subgroups and improve readability.

⁵Miech, R. A., Johnston, L. D., O'Malley, P. M., Bachman, J. G., Schulenberg, J. E., & Patrick, M. E. (2020, forthcoming). *Monitoring the Future national survey results on drug use, 1975-2019: Volume I, Secondary school students*. Ann Arbor: Institute for Social Research, The University of Michigan.

List of 2019 Tables

	Table Number							
Substance	8th Grade	10th Grade	12th Grade	Lifetime	Annual	ime Period 30-Day	Daily	2-Weeks
Any illicit drug	1	2	3		X			
Any illicit drug other than marijuana	4	5	6		X			
Marijuana, Lifetime	7	8	9	X				
Marijuana, Annual	10	11	12		X			
Marijuana, 30-Day	13	14	15			X		
Marijuana, Daily	16	17	18				X	
Synthetic Marijuana	19	20	21		X			
Inhalants	22	23	24		X			
Hallucinogens	25	26	27		X			
LSD	28	29	30		X			
Hallucinogens other than LSD	31	32	33		X			
Ecstasy (MDMA)	34	35	36		X			
Salvia	37	38	39		X			
Cocaine	40	41	42		X			
Crack	43	44	45		X			
Other cocaine	46	47	48		X			
Heroin	49	50	51		X			
Heroin with a needle	52	53	54		X			
Heroin without a needle	55	56	57		X			
Narcotics other than heroin		_	58		X			
OxyContin	59	60	61		X			
Vicodin	62	63	64		X			
Amphetamines	65	66	67		X			
Ritalin	68	69	70		X			
Adderall	71	72	73		X			
Provigil	75	76	74		X			
Methamphetamine	75 —	76 —	77		X X			
Crystal methamphetamine (ice)			78		X			
Bath Salts (Synthetic Stimulants) Sedatives (barbiturates)	79 —	80	81 82		X			
Tranquilizers	83	84	85		X			
Any Prescription Drug	63	- 04 	86		Λ			
OTC cough/cold medicines	87	88	89		X			
Rohypnol	90	91	92		X			
Alcohol, 30-Day	93	94	95		Λ	X		
Alcohol, Daily	96	97	98			Λ	X	
Been drunk	99	100	101			X	Λ	
5+ drinks in a row	102	103	104			A		X
10+ drinks in a row	105	105	105					X
15+ drinks in a row	_		106					X
Beer	107	108	109			X		71
5+ drinks in a row	110	111	112					X
Liquor	_	_	113			X		
5+ drinks in a row	_	_	114					X
Wine	_	_	115			X		
5+ drinks in a row	_	_	116					X
Wine coolers	117	118	119			X		
5+ drinks in a row	_	_	120					X
Flavored alcoholic beverages	121	122	123			X		
Alcoholic Beverages containing Caffeine	124	125	126		X			
Cigarettes	127	128	129			X		
Daily	130	131	132				X	
1/2 pack+/day	133	134	135				X	
Tobacco using a Hookah	_		136		X			
Small cigars	_	_	137		X			
Flavored little cigars or cigarillos	138	138	138			X		
Regular little cigars or cigarillos	139	139	139			X		
Large cigars	140	140	140			X		

		Fable Numbe	r					
Substance	8th Grade	10th Grade	12th Grade	Lifetime	Annual	30-Day	Daily	2-Weeks
Any Vaping	141	141	141			X		
Vaping nicotine	142	142	142			X		
Vaping marijuana	143	143	143			X		
Vaping just flavoing	144	144	144			X		
Smokeless tobacco	145	146	147			X		
Daily	148	149	150				X	
Dissolvable Tobacco Products	151	152	153		X			
Snus	154	155	156		X			
Steroids	157	158	159		X			
Marijuana, Ever Daily for Month or More	_	_	160				X	
Nonprescription Diet Pills		_	161		X			
Nonprescription Stay-Awake Pills	_	_	162		X			
Stimulant-Type ADHD Drugs, Lifetime	163	164	165	X				
Stimulant-Type ADHD Drugs, Current	166	167	168					
Non-Stimulant-Type ADHD Drugs, Lifetime	169	170	171	X				
Non-Stimulant-Type ADHD Drugs, Current	172	173	174					
Either Type ADHD Drugs, Lifetime	175	176	177	X				
Either Type ADHD Drugs, Current	178	179	180					
Any Nicotine Use	_	_	181			X		
Any Nicotine Use other than Vaping	_	_	182			X		
Marijuana, Under a Doctor's Orders			183	X				
Powdered Alcohol	184	184	184		X			
Energy Drinks	185	186	187				X	
Energy Shots	188	189	190				X	
Either Energy Drinks or Shots	191	192	193				X	
Weighted Ns by subgroups	S1	S2	S3					

TABLE 1

ANY ILLICIT DRUG: ^a Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 8</u>

	Percentage who used in last 12 months														
	1991	1992	1993	1994	1995	<u>1996</u>	1997	1998	1999	2000	2001	2002	2003	2004	2005
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800
Total	11.3	12.9	15.1	18.5	21.4	23.6	22.1	21.0	20.5	19.5	19.5	17.7	16.1	15.2	15.5
Gender:															
Male	11.7	11.9	15.2	19.4	22.3	23.6	22.6	21.3	21.3	19.7	21.3	19.2	16.4	15.0	15.2
Female	11.0	13.6	14.9	17.6	20.2	23.3	21.3	20.4	19.7	19.0	17.5	16.3	15.5	15.2	15.6
College Plans:															
None or under 4 years	22.8	25.6	30.7	34.6	38.4	40.3	39.6	41.3	39.9	38.9	38.5	36.8	34.7	33.6	35.2
Complete 4 years	9.5	10.9	12.8	16.3	19.1	21.0	19.9	18.4	18.0	17.1	17.2	15.7	14.0	13.2	13.3
Region:															
Northeast	9.3	10.6	11.5	16.6	17.9	20.3	20.2	16.0	18.2	16.6	18.1	13.8	13.1	13.0	12.3
Midwest	11.2	13.0	13.9	17.2	23.3	24.7	22.3	21.9	22.6	20.6	18.0	17.0	15.7	14.2	15.9
South	11.5	12.9	15.1	17.6	20.8	22.5	21.6	22.3	21.0	19.2	21.5	20.1	18.1	16.8	17.4
West	13.3	15.0	21.1	23.7	23.3	27.1	24.4	22.0	19.2	21.0	18.9	18.4	15.6	15.5	14.5
Population Density:															
Large MSA	10.5	12.0	13.1	16.2	15.2	23.4	20.5	19.8	19.1	18.1	16.4	15.9	14.3	14.0	14.9
Other MSA	12.1	14.4	17.3	21.5	23.7	24.9	22.6	21.4	19.5	18.8	21.5	18.3	16.2	15.9	16.2
Non-MSA	10.8	11.2	12.9	14.0	20.3	21.4	22.9	21.6	24.3	22.7	19.1	18.9	18.1	15.3	15.0
Parental Education: b															
1.0-2.0 (Low)	19.5	18.5	20.8	26.1	29.8	26.7	29.5	30.4	30.2	30.9	29.9	27.3	26.4	25.7	24.9
2.5–3.0	11.7	14.1	17.1	20.2	24.3	25.7	25.5	24.2	24.9	23.9	23.3	22.4	20.4	18.5	20.5
3.5–4.0	11.6	13.6	15.4	19.7	23.4	26.2	23.8	21.8	21.0	20.1	21.5	18.5	16.9	16.7	16.7
4.5–5.0	8.7	10.2	12.8	15.7	17.4	21.3	19.3	17.8	15.6	14.6	15.0	14.5	12.0	12.1	11.4
5.5–6.0 (High)	10.2	10.1	11.8	14.9	17.7	19.8	16.8	17.1	15.8	15.0	13.4	12.1	11.0	10.9	9.8
Race/Ethnicity (2-year average): c															
White	_	11.8	13.6	15.7	19.2	22.4	23.0	21.5	19.9	19.1	19.0	18.3	16.5	14.9	14.4
African American	_	7.9	9.3	13.0	15.8	17.5	18.1	18.1	18.6	18.3	16.7	15.1	14.6	14.6	15.6
Hispanic	_	18.1	20.6	24.6	26.7	26.9	26.5	26.7	27.4	25.1	24.3	24.8	22.8	20.9	18.8

Table continued on next page.

TABLE 1 (cont.)

ANY ILLICIT DRUG: ^a Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 8</u>

	Percentage who used in last 12 months														
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2018-2019
Approximate weighted N =		16.100	<u>2006</u> 15.700			16.000	<u>2012</u> 15.100		2014 14.600	<u>2015</u> 14.400	16.900	<u>2017</u> 15.300	<u>2016</u> 14.000	<u>2019</u> 13.600	change
Total	14.8	13.2	14.1	14.5	16.0	14.7	13.4±	15.2	14.6	14.8	12.0	12.9	13.4	14.8	+1.5
Gender:	14.0	10.2	14.1	14.0	10.0	14.7	10.74	10.2	14.0	14.0	12.0	12.0	10.4	14.0	11.0
Male	15.1	13.2	14.3	15.7	16.7	15.7	13.8±	14.9	14.1	14.0	11.3	11.6	13.2	12.6	-0.5
Female	14.2	12.9	13.7	13.1	15.4	13.3	12.7‡	14.9	14.5	15.3	12.5	13.6	13.3	16.7	+3.4 ss
College Plans:		12.0					+				.2.0				
None or under 4 years	33.1	31.9	34.5	30.7	33.6	32.1	30.1±	31.3	29.0	27.5	25.4	24.7	25.8	27.0	+1.1
Complete 4 years	13.0	11.4	12.3	13.0	14.6	13.2	12.1‡	14.0	13.3	13.6	10.7	11.5	11.6	13.0	+1.4
Region:															
Northeast	10.8	8.1	11.3	13.8	14.1	9.8	9.6‡	12.5	12.9	11.6	7.5	10.0	8.8	10.8	+2.0
Midwest	13.9	12.9	15.5	13.5	14.2	13.0	9.9 ±	13.4	13.4	15.6	12.2	11.2	11.3	13.9	+2.6
South	17.7	15.2	15.6	15.9	18.4	15.7	15.8‡	17.3	14.7	14.9	13.1	13.2	13.2	15.4	+2.2
West	13.9	13.3	12.4	13.5	15.5	18.6	15.6‡	15.5	16.7	16.1	13.0	16.0	19.2	17.6	-1.6
Population Density:							·								
Large MSA	13.5	11.5	12.5	12.4	15.3	13.4	12.6‡	15.9	16.0	14.8	11.3	12.5	14.0	13.1	-0.8
Other MSA	15.6	13.8	15.1	15.7	17.2	16.1	14.3‡	14.8	14.1	15.7	11.8	13.5	13.5	15.5	+2.0
Non-MSA	15.2	14.5	14.2	14.5	14.4	13.7	12.7‡	14.9	13.7	12.9	13.3	12.0	12.0	15.8	+3.8 ss
Parental Education: b															
1.0-2.0 (Low)	23.7	23.2	23.3	21.5	24.6	23.4	22.0‡	25.8	22.9	24.0	17.9	19.8	19.0	22.1	+3.2
2.5–3.0	18.6	16.8	19.2	19.0	20.6	20.1	18.4‡	22.1	19.6	18.8	15.1	17.5	18.0	23.2	+5.2 ss
3.5–4.0	16.5	14.9	15.3	15.8	17.1	16.4	15.4‡	17.9	16.4	16.1	13.5	13.5	15.7	16.3	+0.6
4.5–5.0	11.0	9.2	10.5	11.1	12.8	10.7	9.6‡	11.0	10.4	10.3	9.7	9.4	9.9	11.4	+1.5
5.5–6.0 (High)	9.9	8.1	9.6	9.9	10.5	8.7	7.9‡	9.0	10.5	10.0	7.8	8.7	7.5	9.1	+1.6
Race/Ethnicity (2-year average): c															
White	14.1	13.1	13.0	13.5	14.1	13.8	12.1	11.1‡	11.5	11.5	10.4	9.8	10.3	10.9	+0.6
African American	14.9	12.7	12.3	14.2	15.7	15.0	13.5	14.9‡	14.9	14.7	14.3	13.9	13.1	13.8	+0.7
Hispanic	17.9	16.8	16.1	16.8	18.2	19.3	19.3	18.9‡	18.9	17.9	15.8	14.3	15.5	17.6	+2.1 ss

Notes. '‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. 'Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. The 2013 data are based on half the forms;

N is one half of N indicated. Beginning in 2014 data are based on all forms. See the amphetamine notes for details of the changes.

^aUse of any illicit drug includes any use of marijuana, LSD, other hallucinogens, crack, other cocaine, or heroin; or any use of amphetamines or tranquilizers not under a doctor's orders. The use of narcotics other than heroin and sedatives (barbiturates) has been excluded because 8th and 10th graders appear to overreport their use (perhaps because they include the use of nonprescription drugs in their answers).

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 2

ANY ILLICIT DRUG: ^a Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

	Percentage who used in last 12 months														
	<u>1991</u>	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200
Total	21.4	20.4	24.7	30.0	33.3	37.5	38.5	35.0	35.9	36.4	37.2	34.8	32.0	31.1	29.8
Gender:															
Male	21.6	20.4	25.1	31.8	33.7	38.8	40.1	35.3	37.0	39.4	39.6	35.9	33.2	32.0	30.5
Female	21.1	20.1	24.0	28.0	32.5	36.3	36.8	34.7	34.6	33.5	35.0	33.7	30.8	30.2	28.9
College Plans:															
None or under 4 years	32.7	32.0	37.7	43.2	47.3	52.4	55.2	50.5	51.8	53.5	52.7	51.5	48.6	46.9	45.8
Complete 4 years	18.9	17.8	21.9	27.0	30.8	35.0	35.7	32.2	33.2	33.9	34.6	32.1	29.2	28.9	27.6
Region:															
Northeast	21.8	19.0	26.9	29.6	32.4	37.7	37.8	39.0	38.2	34.0	37.4	35.2	32.6	32.8	31.3
Midwest	21.7	20.7	22.4	28.5	32.1	37.6	37.7	32.0	35.2	34.8	35.9	33.7	28.8	28.8	29.1
South	19.2	17.9	23.3	29.2	33.2	37.9	38.7	35.1	34.8	36.0	36.7	33.9	34.0	32.9	31.1
West	23.7	25.5	28.9	34.4	36.1	36.8	40.2	34.5	36.0	41.6	40.7	37.7	32.3	29.8	26.9
Population Density:															
Large MSA	21.4	19.9	24.0	29.4	28.7	35.5	37.2	32.6	35.0	36.5	34.0	33.0	30.5	28.9	28.0
Other MSA	22.0	20.8	25.1	32.7	35.5	40.0	40.0	36.9	37.3	36.6	39.0	36.9	32.4	32.0	31.1
Non-MSA	20.4	20.1	24.4	24.7	30.7	35.1	37.2	34.5	33.9	35.8	37.4	32.8	33.5	32.3	29.5
Parental Education: b															
1.0-2.0 (Low)	25.5	24.8	29.2	32.6	38.2	39.5	38.3	36.6	42.2	42.4	39.0	39.4	38.8	37.7	33.2
2.5-3.0	23.0	21.3	25.4	31.1	37.1	39.1	40.8	39.1	39.4	39.2	41.6	39.4	36.4	34.0	34.3
3.5-4.0	21.2	20.6	24.9	30.5	34.7	40.1	41.6	35.6	35.4	39.5	38.2	35.5	33.3	33.6	30.6
4.5–5.0	19.4	18.7	22.5	28.1	30.9	35.5	36.3	31.9	32.8	32.6	35.1	31.9	27.8	27.7	27.6
5.5-6.0 (High)	21.1	18.5	23.6	27.2	26.6	33.6	33.7	31.5	34.6	31.3	32.7	29.1	27.5	26.2	25.9
Race/Ethnicity (2-year average): c															
White	_	22.4	23.7	27.9	32.6	36.5	39.3	38.2	36.4	36.9	37.6	37.6	35.0	32.2	31.0
African American	_	10.8	11.9	18.5	23.6	27.3	30.2	28.9	28.4	29.7	30.5	28.5	27.3	29.3	29.0
Hispanic	_	23.6	26.3	30.3	34.3	40.0	41.3	38.1	38.4	39.3	38.8	36.2	33.8	34.5	32.8

Table continued on next page.

TABLE 2 (cont.)

ANY ILLICIT DRUG: ^a Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

	Percentage who used in last 12 months														
	2006	2007	2000	2000	2010	2011	2012	2012	2014	2015	2016	2017	2010	2010	2018-2019
Approximate weighted N =	2006 16 200	2007 16.100	2008 15.100	2009 15.900	2010 15.200	<u>2011</u> 14.900	2012 15.000	2013 12,900	13.000	2015 15.600	<u>2016</u> 14.700	13.500	2018 14.300	2019 14.000	change
Total	28.7	28.1	26.9	29.4	30.2	31.1	30.1±	32.1	29.9	27.9	26.8	27.8	29.9	31.0	+1.1
Gender:	20.1	20.1	20.0	20.4	00.2	01.1	00.14	02.1	20.0	21.0	20.0	21.0	20.0	01.0	
Male	29.3	29.5	27.9	31.6	33.0	33.8	32.9±	34.9	30.3	27.8	25.9	26.1	29.5	29.5	0.0
Female	28.1	26.7	25.6	27.3	27.3	28.2	27.5‡	29.4	29.4	27.6	27.1	28.9	30.2	32.1	+1.9
College Plans:															
None or under 4 years	46.2	45.7	47.0	48.5	48.8	50.4	46.2‡	46.2	44.4	44.3	41.0	39.1	43.2	42.1	-1.0
Complete 4 years	26.4	25.7	24.2	27.3	28.0	28.9	28.5‡	30.6	28.4	26.1	25.2	26.1	28.0	28.8	+0.8
Region:															
Northeast	27.8	27.7	28.6	26.2	27.9	30.6	33.2‡	29.7	29.5	28.9	26.0	27.8	32.3	32.5	+0.1
Midwest	28.2	28.1	25.8	26.2	28.1	29.0	26.3‡	29.9	26.6	23.9	25.5	27.5	27.4	28.8	+1.4
South	29.7	26.7	27.1	31.6	31.0	31.4	30.3‡	33.6	31.1	28.4	27.3	26.1	28.9	30.1	+1.2
West	29.0	30.2	26.2	32.6	33.3	33.2	31.6‡	34.1	31.8	30.2	27.8	30.4	32.2	33.9	+1.7
Population Density:															
Large MSA	27.3	27.9	26.4	29.0	28.9	29.5	30.8‡	31.0	30.0	28.2	26.4	29.9	31.6	31.5	-0.1
Other MSA	28.6	28.3	28.1	30.7	31.9	32.6	30.2‡	33.8	30.5	28.2	26.6	27.4	30.7	32.1	+1.4
Non-MSA	31.4	27.8	24.8	27.4	28.6	30.2	29.2‡	29.5	28.5	26.3	28.0	25.2	25.3	27.1	+1.8
Parental Education: b															
1.0–2.0 (Low)	36.2	32.0	33.6	39.5	37.4	37.7	39.8‡	40.5	35.0	36.8	30.1	31.8	34.1	35.1	+0.9
2.5–3.0	33.7	33.0	31.7	32.8	36.1	36.3	34.5‡	40.6	34.8	34.0	31.9	31.9	34.1	38.8	+4.6 s
3.5-4.0	30.6	30.2	29.2	30.3	31.9	33.2	31.8‡	32.1	33.6	31.8	28.7	30.4	31.8	33.7	+1.9
4.5–5.0	24.6	24.7	22.3	26.5	24.6	27.2	27.5‡	29.2	25.5	24.5	24.1	24.7	26.9	26.8	-0.1
5.5-6.0 (High)	24.3	21.7	21.7	24.5	25.7	25.1	24.8‡	24.2	24.3	20.7	23.5	24.0	26.5	25.1	-1.4
Race/Ethnicity (2-year average): c															
White	30.2	29.4	28.0	27.9	29.2	30.0	29.7	29.2‡	29.0	27.2	26.6	27.1	27.7	28.2	+0.5
African American	26.2	24.2	22.4	23.5	26.6	29.6	30.6	32.5‡	33.2	30.8	28.5	26.2	26.4	29.5	+3.1 ss
Hispanic	28.5	27.3	30.1	33.1	34.0	33.5	34.3	36.3‡	35.8	32.8	29.8	28.8	31.0	32.7	+1.7

Notes. '‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of
Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See
Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. The 2013 data are based on half the forms; N is
one half of N indicated. Beginning in 2014 data are based on all forms. See the amphetamine notes for details of the changes.

^aUse of any illicit drug includes any use of marijuana, LSD, other hallucinogens, crack, other cocaine, or heroin; or any use of amphetamines or tranquilizers not under a doctor's orders. The use of narcotics other than heroin and sedatives (barbiturates) has been excluded because 8th and 10th graders appear to overreport their use (perhaps because they include the use of nonprescription drugs in their answers).

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 3

ANY ILLICIT DRUG: a,b Trends in Annual Prevalence of Use by Subgroups in Grade 12

_	Percentage who used in last 12 months															
Approximate weighted N =	<u>1975</u> 9,400	<u>1976</u> 15,400	<u>1977</u> 17,100	<u>1978</u> 17,800	<u>1979</u> 15,500	<u>1980</u> 15,900	<u>1981</u> 17,500	<u>1982</u> 17,700	<u>1983</u> 16,300	<u>1984</u> 15,900	<u>1985</u> 16,000	<u>1986</u> 15,200	<u>1987</u> 16,300	1988 16,300	<u>1989</u> 16,700	<u>1990</u> 15,200
Total	45.0	48.1	51.1	53.8	54.2	53.1	52.1	49.4	47.4	45.8	46.3	44.3	41.7	38.5	35.4	32.5
Gender:																
Male	49.0	52.6	55.4	58.6	58.1	56.0	53.6	51.8	49.7	48.0	48.3	45.7	43.2	40.6	37.7	34.3
Female	41.4	43.0	46.7	48.7	50.1	49.8	50.8	46.3	44.4	42.8	43.8	42.3	39.7	36.1	32.8	30.1
College Plans:																
None or under 4 years	_	50.6	54.3	55.5	56.8	56.5	55.8	53.4	50.8	50.3	50.1	48.6	46.7	42.0	40.9	37.8
Complete 4 years	_	44.3	46.8	50.5	50.5	49.7	48.6	45.5	43.7	41.4	43.1	41.2	39.0	36.5	32.6	29.6
Region:																
Northeast	51.5	55.3	56.8	61.6	62.9	58.9	58.8	55.1	53.8	54.7	53.2	49.7	45.8	41.2	36.0	36.4
Midwest	45.5	47.6	51.9	54.6	55.0	53.1	53.4	50.3	46.9	42.4	45.7	45.0	42.7	39.7	38.7	34.0
South	38.1	42.3	46.2	47.5	45.4	47.0	43.7	42.2	41.3	41.4	37.2	37.4	35.9	34.2	30.7	27.6
West	48.3	49.7	50.0	53.2	56.4	55.8	55.5	51.7	50.7	49.1	53.3	47.8	45.7	41.8	39.5	34.4
Population Density:																
Large MSA	54.5	54.6	56.3	60.3	61.3	59.9	57.8	54.8	52.0	49.7	49.9	48.0	43.9	39.1	32.9	32.6
Other MSA	45.0	47.8	52.4	54.5	55.2	53.8	52.1	49.8	49.6	46.7	46.5	45.1	42.7	40.5	36.3	33.5
Non-MSA	38.8	43.7	45.2	47.4	47.6	47.0	47.6	44.0	41.1	41.4	43.0	40.0	37.6	34.3	36.0	30.1
Parental Education: ^c																
1.0–2.0 (Low)	_	43.4	45.3	47.7	50.2	49.5	48.1	44.3	45.1	42.7	42.8	38.1	35.4	35.8	28.4	26.6
2.5–3.0	_	49.2	51.8	53.3	53.2	53.0	51.2	48.8	46.3	45.7	46.0	44.8	41.8	37.2	35.3	32.7
3.5–4.0	_	48.9	53.1	55.1	56.1	54.2	52.8	50.8	46.5	47.6	47.2	45.6	42.2	38.6	37.7	33.8
4.5–5.0	_	50.8	51.7	56.3	57.1	54.0	53.4	49.7	48.9	44.9	48.4	44.7	43.1	40.0	35.5	33.1
5.5-6.0 (High)	_	51.3	51.8	59.1	54.3	55.0	54.8	48.5	46.1	45.5	44.5	44.5	43.5	40.6	36.3	33.3
Race/Ethnicity (2-year average:) d																
White	_	_	50.4	53.5	55.2	54.9	54.4	50.7	49.3	47.4	47.6	47.2	45.2	43.0	40.3	37.5
African American	_	_	40.8	42.8	41.5	40.5	39.0	36.4	38.5	37.8	35.9	33.3	28.9	25.0	21.3	17.0
Hispanic	_	_	49.9	49.5	48.4	48.1	46.8	42.7	42.0	43.1	43.9	42.8	38.9	35.4	30.1	26.4

Table continued on next page.

TABLE 3 (cont.)

ANY ILLICIT DRUG: a,b Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months															
Approximate weighted N =	<u>1991</u> 15,000	<u>1992</u> 15,800	<u>1993</u> 16,300	<u>1994</u> 15,400	<u>1995</u> 15,400	<u>1996</u> 14,300	<u>1997</u> 15,400	<u>1998</u> 15,200	<u>1999</u> 13,600	2000 12,800	2001 12,800	2002 12,900	2003 14,600	2004 14,600	2005 14,700	2006 14,200
Total	29.4	27.1	31.0	35.8	39.0	40.2	42.4	41.4	42.1	40.9	41.4	41.0	39.3	38.8	38.4	36.5
Gender:																
Male	32.1	29.0	33.5	38.6	41.5	43.4	44.1	45.2	45.0	43.4	43.8	43.5	41.3	41.4	42.1	37.5
Female	26.2	24.7	27.9	32.7	35.8	36.2	40.0	37.2	38.9	38.0	38.4	37.8	36.7	35.9	34.5	35.0
College Plans:																
None or under 4 years	33.9	33.5	34.9	40.8	44.1	46.2	48.8	47.3	47.9	45.1	46.2	46.2	46.8	44.4	46.5	46.1
Complete 4 years	27.1	24.4	29.2	33.6	36.7	37.8	40.1	39.1	40.3	38.8	39.6	39.3	36.6	36.8	36.1	33.8
Region:																
Northeast	31.9	28.7	36.1	39.4	41.7	44.6	47.7	46.2	42.5	46.2	47.4	45.7	43.7	43.9	43.2	42.0
Midwest	31.3	27.8	30.8	36.5	40.9	40.9	40.6	38.1	42.1	38.9	42.0	41.6	40.0	38.2	38.8	36.3
South	24.5	23.7	28.2	34.1	36.4	37.6	38.8	40.5	40.8	35.3	37.3	38.1	34.8	35.7	36.6	34.9
West	32.6	31.1	31.8	34.7	38.2	39.1	45.9	43.1	44.2	47.4	41.9	40.5	41.4	39.6	36.3	34.6
Population Density:																
Large MSA	28.6	26.8	32.9	36.4	41.7	41.3	42.1	42.0	42.4	41.1	43.9	41.9	35.7	36.3	38.5	38.2
Other MSA	33.0	27.3	31.7	37.8	39.0	42.3	44.2	42.1	43.3	42.6	41.0	42.4	42.7	42.4	39.8	36.7
Non-MSA	23.8	27.0	28.4	31.6	35.9	35.4	39.2	39.3	39.9	37.5	39.4	37.1	37.6	34.9	35.5	33.5
Parental Education: ^c																
1.0-2.0 (Low)	28.7	27.7	29.5	32.9	37.7	36.6	40.3	38.9	40.9	41.3	38.8	35.3	35.8	34.7	32.0	37.6
2.5–3.0	28.7	26.4	29.2	35.4	38.3	39.9	40.8	40.5	43.7	40.5	41.9	39.3	39.0	37.7	38.9	38.2
3.5–4.0	29.6	28.1	31.6	36.4	38.8	40.4	42.0	42.9	42.9	41.6	42.7	43.2	41.3	42.1	41.3	37.1
4.5–5.0	28.7	26.2	31.5	36.5	39.0	40.5	43.6	40.9	40.0	39.6	41.3	42.0	38.9	38.2	38.8	33.2
5.5-6.0 (High)	31.9	26.8	33.4	35.7	40.7	40.6	44.0	41.8	42.3	41.1	40.1	40.6	36.5	37.4	36.0	37.3
Race/Ethnicity (2-year average:) d																
White	33.9	30.5	31.4	35.5	39.0	40.8	42.8	44.0	43.3	42.8	43.1	43.6	42.8	42.0	41.6	40.0
African American	14.7	14.5	16.6	23.5	29.6	32.4	33.0	32.3	32.8	32.7	31.7	30.4	28.3	27.7	29.0	30.0
Hispanic	29.4	30.3	28.8	31.2	35.5	38.0	41.2	41.9	42.5	44.8	41.8	39.0	35.8	34.4	34.5	34.2

Table continued on next page.

TABLE 3 (cont.)

ANY ILLICIT DRUG: a,b Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months													
Approximate weighted N =	2007 14,500	2008 14,000	2009 13,700	2010 14,400	2011 14,100	2012 13,700	2013 12,600	2014 12,400	2015 12,900	2016 11,800	2017 12,600	2018 13,300	2019 12,900	2018-2019 <u>change</u>
Total	35.9	36.6	36.5	38.3	40.0	39.7‡	40.1	38.7	38.6	38.3	39.9	38.8	38.0	-0.8
Gender:														
Male	38.4	38.8	39.9	41.4	43.2	43.5‡	43.2	39.8	39.7	39.2	40.2	39.7	37.5	-2.3
Female	33.2	34.1	33.2	34.7	36.2	35.1‡	36.5	36.9	37.2	37.0	38.9	36.8	37.7	+0.9
College Plans:														
None or under 4 years	43.7	46.0	42.7	46.5	46.6	44.3‡	47.5	44.5	42.5	40.4	42.4	42.5	42.4	-0.1
Complete 4 years	34.0	34.2	34.9	36.1	38.2	38.2‡	38.1	36.7	37.3	37.1	39.0	37.2	36.3	-0.9
Region:														
Northeast	41.9	40.0	40.5	44.1	42.8	40.9‡	43.7	43.0	43.3	40.7	42.9	42.8	39.1	-3.7
Midwest	37.3	35.1	36.5	36.3	37.9	35.3‡	35.4	38.3	35.8	37.0	41.1	40.1	37.1	-3.0
South	33.6	36.0	34.7	36.2	37.0	37.5‡	38.8	37.7	35.3	35.7	36.2	34.6	36.4	+1.8
West	33.4	36.5	36.0	38.9	44.4	46.1‡	44.3	37.0	43.1	42.3	42.8	41.7	42.1	+0.4
Population Density:														
Large MSA	37.9	37.7	40.2	39.9	41.5	43.0‡	43.2	38.8	41.6	40.8	42.4	39.9	38.4	-1.5
Other MSA	35.1	35.7	35.8	39.4	41.3	40.3‡	40.9	41.2	38.3	38.1	39.2	38.1	38.4	+0.3
Non-MSA	34.7	37.2	33.4	33.2	34.6	32.9‡	33.6	32.3	34.2	34.7	37.2	38.7	36.4	-2.3
Parental Education: ^c														
1.0-2.0 (Low)	35.6	34.6	33.0	36.9	40.3	45.4‡	41.6	40.7	40.3	37.7	37.1	36.2	37.3	+1.1
2.5–3.0	37.8	37.5	37.4	39.2	40.5	40.9‡	42.8	41.4	41.1	38.9	42.2	42.2	39.6	-2.6
3.5–4.0	35.0	35.9	38.4	40.6	41.7	40.8‡	41.8	39.1	41.0	40.3	41.6	41.2	42.1	+0.9
4.5–5.0	34.9	36.5	35.4	37.9	38.5	38.5‡	38.1	36.5	35.4	37.4	38.9	37.4	33.0	-4.4 s
5.5-6.0 (High)	36.9	36.7	36.6	32.6	37.9	34.8‡	37.9	37.1	36.1	35.5	37.5	35.6	37.9	+2.3
Race/Ethnicity (2-year average): d														
White	38.5	38.7	38.7	38.8	40.2	40.3	39.3‡	38.9	38.5	38.5	39.2	39.5	38.1	-1.4
African American	28.7	28.6	30.4	33.1	34.8	35.0	37.7‡	39.6	36.3	35.6	38.0	38.8	38.3	-0.4
Hispanic	32.2	31.4	32.6	34.5	37.5	40.5	42.2‡	39.9	38.6	39.7	39.5	37.2	35.9	-1.2

Notes.

^{&#}x27;‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimates and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. The 2013 data are based on half the forms; N is one half of N indicated. Beginning in 2014 data are based on all forms. See the amphetamine notes for details of the changes.

^aUse of any illicit drug includes any use of marijuana, LSD, other hallucinogens, crack, other cocaine, or heroin; or any use of narcotics other than heroin, amphetamines, sedatives (barbiturates), methaqualone (excluded since 1990), or tranquilizers not under a doctor's orders.

^bBeginning in 1982 the question about amphetamine use was revised to get respondents to exclude the inappropriate reporting of nonprescription amphetamines. The prevalence-of-use rate dropped slightly as a result of this methodological change.

^cParental education is an average score of mother's education and father's education. See appendix B for details.

^dTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 4

ANY ILLICIT DRUG OTHER THAN MARIJUANA: ^a Trends in Annual Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 12 months															
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ^b	2002	2003	2004	2005	
Approximate weighted N =										16,700					16,800	
Total	8.4	9.3	10.4	11.3	12.6	13.1	11.8	11.0	10.5	10.2‡	10.8	8.8	8.8	7.9	8.1	
Gender:																
Male	8.0	8.0	9.2	10.1	11.5	11.0	10.8	9.6	9.7	9.1‡	10.0	8.1	7.9	7.0	6.6	
Female	8.8	10.4	11.5	12.3	13.5	14.7	12.6	12.1	11.2	10.9‡	11.2	9.3	9.4	8.8	9.3	
College Plans:																
None or under 4 years	16.3	18.5	21.3	21.2	25.3	23.0	22.1	23.8	23.4	22.7‡	21.5	19.7	20.0	18.0	18.2	
Complete 4 years	7.2	8.0	8.9	9.9	10.9	11.6	10.6	9.4	9.0	8.7‡	9.5	7.6	7.5	6.9	7.0	
Region:																
Northeast	6.8	6.6	8.2	10.3	10.7	11.3	9.5	8.5	8.5	8.0‡	9.5	5.8	7.1	5.9	5.8	
Midwest	8.6	10.4	9.4	10.2	14.0	14.3	12.5	10.5	11.9	11.2‡	9.9	8.7	8.7	7.7	8.1	Table continued on next page.
South	8.6	9.7	11.0	11.7	12.5	12.6	11.8	12.5	11.2	10.3‡	12.4	10.6	10.0	9.0	9.5	
West	9.3	9.8	13.4	12.7	12.7	14.0	13.0	11.1	9.3	10.5‡	10.1	8.4	7.9	8.2	7.7	
Population Density:																
Large MSA	8.0	8.1	8.8	9.8	8.7	12.3	9.9	8.9	8.4	8.5‡	9.7	7.4	7.1	6.9	7.1	
Other MSA	8.6	10.4	11.8	12.5	13.5	14.1	12.2	11.2	10.7	10.1‡	11.8	9.2	8.7	8.5	8.8	
Non-MSA	8.6	8.9	9.8	9.8	13.2	12.1	13.0	12.8	12.8	12.3‡	10.3	9.8	11.0	8.0	8.1	
Parental Education: c																
1.0-2.0 (Low)	12.9	12.9	14.4	15.6	18.0	15.5	14.8	17.3	16.0	15.8‡	14.3	13.0	14.1	15.2	14.3	
2.5–3.0	8.5	10.1	11.8	12.4	14.2	13.9	12.9	12.2	12.1	12.2‡	13.2	10.9	10.9	8.8	10.3	
3.5-4.0	8.7	10.1	10.6	11.8	14.2	14.5	12.5	11.2	11.3	10.6‡	11.7	9.0	9.0	8.4	9.0	
4.5–5.0	7.1	7.5	9.1	9.5	9.7	12.0	10.6	9.4	8.5	7.7‡	8.9	7.6	6.7	6.8	5.7	
5.5-6.0 (High)	7.8	8.0	8.2	9.4	10.1	11.7	10.3	9.5	8.3	8.4‡	8.0	6.5	6.8	5.9	5.3	
Race/Ethnicity (2-year average): d																
White	_	9.0	10.0	10.8	12.6	13.9	13.5	12.5	11.5	11.1	10.6‡	10.3 ^e	9.3	8.7	8.1	
African American	_	4.9	5.0	5.9	5.7	5.3	4.7	4.0	4.1	3.8	3.9‡	4.4 ^e	4.4	4.4	4.2	
Hispanic	_	12.2	13.7	15.2	15.3	14.7	13.6	13.5	14.5	13.9	12.2‡	11.9 ^e	10.8	10.4	9.9	

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TABLE 4 (cont.)

ANY ILLICIT DRUG OTHER THAN MARIJUANA: ^a Trends in Annual Prevalence of Use by Subgroups in Grade 8

					Pe	rcentage	who us	ed in las	t 12 mon	ths					
															2018-2019
Approximate weighted N =	2006 16 500	2007 16,100	2008 15 700	2009 15,000	2010 15,300	2011 16,000	2012 15,100	2013 14,600	2014 14,600	2015 14,400	2016 16,900	2017 15,300	2018 14.000	2019 13.600	<u>change</u>
Total	7.7	7.0	7.4	7.0	7.1	6.4	5.5±	6.3	6.4	6.3	5.4	5.8	6.1	6.5	+0.4
Gender:	1.1	7.0	7.4	7.0	7.1	0.4	0.04	0.0	0.4	0.0	5.4	0.0	0.1	0.5	10.4
Male	6.5	5.9	6.0	6.6	6.4	6.1	4.8±	5.5	5.3	5.1	4.7	4.4	5.8	5.2	-0.6
Female	8.7	8.0	8.7	7.3	7.7	6.5	6.0‡	6.9	7.1	7.4	6.1	6.8	6.1	7.6	+1.5 s
College Plans:	0	0.0	0			0.0	0.04	0.0		• • • •	0	0.0	0		1.0 0
None or under 4 years	17.7	18.1	20.3	18.2	16.4	17.2	13.0±	14.6	14.7	11.0	11.5	10.5	11.6	12.5	+0.9
Complete 4 years	6.7	6.0	6.3	6.0	6.3	5.5	4.9±	5.7	5.7	5.9	4.8	5.1	5.2	5.6	+0.3
Region:															
Northeast	4.4	4.4	5.2	5.0	4.6	4.4	4.1‡	4.0	4.3	5.3	3.0	3.9	3.6	4.7	+1.1
Midwest	7.1	7.4	7.6	6.7	7.0	6.0	3.7‡	5.4	5.6	5.9	4.9	4.9	4.6	6.2	+1.5 ss
South	9.8	7.8	8.8	8.4	8.3	6.7	7.3‡	8.2	7.1	6.7	6.4	6.1	6.8	6.8	0.0
West	7.4	6.9	6.7	6.3	7.0	7.8	5.4‡	5.9	7.5	6.6	5.9	7.3	8.2	7.7	-0.6
Population Density:															
Large MSA	6.6	6.1	6.8	5.5	5.7	5.7	5.1‡	5.7	5.7	5.8	4.9	6.0	7.1	5.9	-1.2
Other MSA	8.0	7.6	7.7	7.8	8.0	7.0	6.1‡	6.5	6.9	7.1	5.5	5.8	5.8	6.9	+1.1
Non-MSA	8.8	7.1	7.6	7.1	6.9	6.0	5.0‡	6.9	6.4	5.1	6.2	5.4	5.0	6.4	+1.4 s
Parental Education: c															
1.0-2.0 (Low)	12.3	11.9	13.6	12.4	11.5	10.7	8.3‡	10.6	9.4	9.8	8.5	9.7	8.3	9.0	+0.7
2.5–3.0	9.4	8.3	9.7	8.7	8.8	9.1	7.2‡	7.1	7.6	7.0	6.1	6.8	7.4	9.3	+1.9
3.5–4.0	8.4	7.8	8.0	7.4	7.3	7.0	6.5‡	8.2	7.0	6.8	5.4	5.8	6.8	6.5	-0.3
4.5–5.0	6.0	4.7	5.4	5.4	6.0	4.6	3.5‡	5.2	4.9	5.0	4.8	4.6	5.2	5.8	+0.6
5.5-6.0 (High)	6.2	5.5	5.7	5.1	4.7	4.3	4.4‡	4.0	5.4	5.1	4.8	4.2	4.0	4.8	+0.8
Race/Ethnicity (2-year average): d															
White	8.1	7.6	7.6	7.5	7.2	6.7	5.6	4.9‡	5.4	5.7	5.2	4.8	5.0	5.5	+0.5
African American	3.9	3.3	3.4	4.1	4.0	3.8	3.9	4.0‡	5.2	5.1	5.3	4.9	4.8	4.7	-0.1
Hispanic	9.2	8.6	8.4	8.6	8.7	8.7	8.1	7.4‡	7.4	7.1	6.8	6.5	7.0	7.8	+0.8

Source. The Monitoring the Future study, the University of Michigan.

Notes. '‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. The 2013 data are based on half the forms; N is one half of N indicated. Beginning in 2014 data are based on all forms. See the amphetamine notes for details of the changes.

^aUse of any illicit drug other than marijuana includes any use of LSD, other hallucinogens, crack, other cocaine, or heroin; or any use of amphetamines or tranquilizers not under a doctor's orders. The use of narcotics other than heroin and sedatives (barbiturates) has been excluded because 8th and 10th graders appear to overreport their use (perhaps because they include the use of nonprescription drugs in their answers).

^bIn 2001 the question text was changed on half of the questionnaire forms. Other psychedelics was changed to other hallucinogens, and shrooms was added to the list of examples. For the tranquilizer list of examples, Miltown was replaced with Xanax. The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

^cParental education is an average score of mother's education and father's education. See appendix B for details.

^dTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^eDue to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE 5

ANY ILLICIT DRUG OTHER THAN MARIJUANA: ^a Trends in Annual Prevalence of Use by Subgroups in Grade 10

						Percer	ntage wh	o used ir	n last 12	months					
	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	1998	<u>1999</u>	2000	<u>2001</u> ^D	2002	2003	2004	2005
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200
Total	12.2	12.3	13.9	15.2	17.5	18.4	18.2	16.6	16.7	16.7‡	17.9	15.7	13.8	13.5	12.9
Gender:															
Male	11.2	11.1	13.4	14.1	15.8	17.2	17.2	15.6	15.9	16.7‡	18.3	15.1	13.0	12.7	12.0
Female	13.1	13.2	14.3	16.0	18.9	19.6	19.1	17.5	17.3	16.6‡	17.4	16.4	14.3	14.2	13.6
College Plans:															
None or under 4 years	19.6	20.2	23.1	24.0	27.5	29.5	29.6	27.8	27.3	27.7‡	32.1	27.1	23.8	25.3	24.0
Complete 4 years	10.7	10.5	12.0	13.3	15.7	16.5	16.3	14.6	15.0	15.0‡	15.5	14.0	12.1	11.9	11.4
Region:															
Northeast	10.6	9.6	12.8	13.7	14.1	17.2	16.0	17.2	18.2	14.7‡	16.2	13.4	11.7	13.7	13.0
Midwest	13.2	12.9	12.8	14.8	19.0	20.0	16.2	14.4	16.1	15.8‡	16.5	15.3	13.1	12.0	12.2
South	11.9	12.2	14.7	15.3	18.4	18.6	20.8	18.3	16.8	17.5‡	19.5	16.8	15.7	14.8	13.9
West	12.7	14.1	15.6	17.2	17.2	17.4	18.7	15.8	15.7	18.5‡	19.0	16.7	13.8	13.5	12.0
Population Density:															
Large MSA	11.8	11.4	12.2	13.1	13.5	16.8	16.3	14.6	15.0	17.2‡	15.6	14.3	10.8	10.4	10.9
Other MSA	12.3	12.3	14.1	16.1	18.5	19.5	18.0	16.6	17.3	15.6‡	17.4	16.5	14.2	15.1	13.2
Non-MSA	12.4	13.1	15.0	14.6	17.6	18.3	20.8	18.9	17.5	18.1‡	21.5	16.1	17.2	14.5	14.7
Parental Education: c															
1.0-2.0 (Low)	14.4	16.6	18.1	17.1	20.8	22.7	19.1	21.5	19.2	20.4‡	19.6	21.0	19.1	16.5	15.9
2.5–3.0	13.7	12.5	14.6	16.3	19.7	19.4	19.9	19.1	19.1	19.4‡	20.3	18.3	16.7	15.6	14.4
3.5-4.0	12.1	12.7	14.8	15.9	18.3	19.9	19.8	16.4	16.5	17.4‡	19.7	16.1	14.5	14.6	13.7
4.5–5.0	11.0	10.9	11.7	13.3	15.9	16.6	16.5	14.1	15.4	14.5‡	15.6	13.7	11.2	11.6	11.5
5.5-6.0 (High)	11.6	10.7	12.2	12.8	13.4	15.4	15.4	14.4	15.6	14.5‡	14.6	12.2	10.5	11.0	10.8
Race/Ethnicity (2-year average): d															
White	_	13.7	14.4	15.4	17.7	20.0	20.5	19.7	18.7	18.6	19.2‡	18.9 ^e	17.2	15.7	14.9
African American	_	4.3	4.6	5.4	5.4	4.5	4.8	4.7	4.5	4.2	4.7‡	5.7 ^e	4.7	4.6	4.8
Hispanic	_	11.8	13.7	16.1	16.9	18.8	19.1	17.5	17.9	17.8	15.8±	15.7 ^e	15.2	15.1	14.9

TABLE 5 (cont.)

ANY ILLICIT DRUG OTHER THAN MARIJUANA: ^a Trends in <u>Annual</u> Prevalence of Use by Subgroups in Grade 10

					Pe	rcentage	who us	ed in las	t 12 mor	iths					
	2006	2007	2008	2000	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2018-2019
Approximate weighted N =	2006 16.200			2009 15,900	2010 15,200	<u>2011</u> 14,900		2013 12,900	2014 13,000	2015 15,600		<u>2017</u> 13.500	<u>2016</u> 14.300	<u>2019</u> 14.000	<u>change</u>
Total	12.7	13.1	11.3	12.2	12.1	11.2	10.8‡	11.2	11.2	10.5	9.8	9.4	9.6	9.1	-0.4
Gender:															
Male	12.0	12.9	10.9	11.8	12.3	12.2	11.3‡	12.5	10.4	10.0	9.7	9.3	9.8	9.5	-0.2
Female	13.1	13.2	11.5	12.3	11.8	10.0	10.4‡	9.9	11.8	10.7	9.7	9.1	9.2	8.6	-0.6
College Plans:							•								
None or under 4 years	24.7	25.0	22.9	25.4	24.5	24.1	24.5‡	17.2	21.9	19.7	18.4	17.7	18.2	13.9	-4.3 ss
Complete 4 years	11.1	11.5	9.8	10.7	10.7	9.7	9.4‡	10.5	10.1	9.5	8.8	8.3	8.3	8.1	-0.3
Region:															
Northeast	10.4	11.3	8.2	9.0	9.8	9.4	9.3‡	8.5	9.8	9.9	6.8	6.7	7.4	6.1	-1.3
Midwest	12.7	13.4	11.8	11.5	12.0	10.8	10.4‡	11.0	11.8	9.0	9.2	10.3	9.6	8.5	-1.0
South	13.7	13.3	12.6	13.6	12.4	12.2	12.4‡	12.7	11.9	11.3	10.7	8.7	10.3	9.4	-0.9
West	13.3	13.8	11.5	13.7	14.1	11.7	10.3‡	11.6	10.9	11.3	11.5	11.6	10.0	11.4	+1.4
Population Density:															
Large MSA	11.5	12.0	9.9	10.7	11.2	10.4	10.0‡	10.4	10.2	10.3	9.5	9.9	9.6	8.2	-1.5
Other MSA	12.9	13.4	12.1	13.4	12.6	11.2	10.9‡	11.9	11.3	10.6	10.2	9.4	9.8	9.8	+0.1
Non-MSA	14.1	14.0	11.8	11.7	12.7	12.6	11.9‡	10.6	12.7	10.6	9.2	8.7	9.0	8.8	-0.3
Parental Education: c															
1.0-2.0 (Low)	16.0	15.6	15.2	18.3	15.8	13.3	16.8‡	15.2	14.1	15.1	11.3	10.5	12.5	11.5	-0.9
2.5–3.0	14.9	15.2	13.2	13.6	14.8	13.1	11.7‡	13.5	12.4	12.8	11.1	11.2	10.9	11.4	+0.5
3.5-4.0	13.4	14.2	12.7	13.0	12.9	12.0	10.9‡	11.6	13.2	12.3	11.0	9.5	9.8	9.7	-0.1
4.5–5.0	10.7	11.6	9.0	9.9	10.2	9.6	9.7‡	9.9	9.2	8.9	9.0	8.5	8.2	7.3	-0.9
5.5-6.0 (High)	11.1	9.9	8.6	10.6	9.4	9.2	9.1‡	9.1	9.0	7.4	8.3	8.5	9.1	7.4	-1.7
Race/Ethnicity (2-year average): d															
White	14.4	14.5	13.8	12.9	13.0	12.5	11.5	11.2‡	11.5	10.9	10.3	10.0	9.8	9.1	-0.7
African American	4.9	4.2	4.1	4.3	5.0	5.5	5.8	6.5‡	8.4	7.8	7.8	6.3	5.2	5.4	+0.3
Hispanic	13.0	11.8	12.4	13.2	13.5	12.9	12.6	12.4‡	11.7	11.1	11.1	10.6	11.0	11.0	0.0

Source. The Monitoring the Future study, the University of Michigan.

Notes. '‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. The 2013 data are based on half the forms; N is one half of N indicated. Beginning in 2014 data are based on all forms. See the amphetamine notes for details of the changes.

^aUse of any illicit drug other than marijuana includes any use of LSD, other hallucinogens, crack, other cocaine, or heroin; or any use of amphetamines or tranquilizers not under a doctor's orders. The use of narcotics other than heroin and sedatives (barbiturates) has been excluded because 8th and 10th graders appear to overreport their use (perhaps because they include the use of nonprescription drugs in their answers).

bln 2001 the question text was changed on half of the questionnaire forms. Other psychedelics was changed to other hallucinogens, and shrooms was added to the list of examples. For the tranquilizer list of examples, Miltown was replaced with Xanax. The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

^cParental education is an average score of mother's education and father's education. See appendix B for details.

^dTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^eDue to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE 6
ANY ILLICIT DRUG OTHER THAN MARIJUANA: a,b
Trends in Annual Prevalence of Use by Subgroups in Grade 12

Percentage who used in last 12 months

							centage	Willo do	eu III ias	12 11101	uio					
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Approximate weighted N =	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200
Total	26.2	25.4	26.0	27.1	28.2	30.4	34.0	30.1	28.4	28.0	27.4	25.9	24.1	21.1	20.0	17.9
Gender:																
Male	25.9	25.7	26.3	27.9	29.4	30.2	32.8	31.0	28.9	28.2	27.9	26.2	24.3	22.2	21.0	19.2
Female	26.2	24.4	25.3	25.7	26.3	30.0	34.3	28.3	27.3	26.9	26.2	24.8	23.3	19.3	18.5	16.0
College Plans:																
None or under 4 years	_	28.7	30.1	30.0	31.8	35.5	38.3	34.0	32.3	32.9	31.6	31.3	28.8	24.5	25.5	23.1
Complete 4 years	_	20.9	20.8	22.7	23.5	25.5	30.1	26.0	24.7	23.3	24.1	22.2	21.3	19.0	17.2	15.2
Region:																
Northeast	26.0	26.1	27.8	30.7	32.0	32.1	38.0	33.5	31.2	33.8	32.9	29.5	25.5	20.2	19.2	17.1
Midwest	29.2	26.1	27.7	26.8	27.6	30.9	36.1	31.1	28.6	26.1	25.9	25.1	22.7	20.3	21.5	18.0
South	22.5	23.4	22.9	24.0	23.2	25.8	26.1	24.7	23.8	24.2	21.0	20.6	21.1	20.0	18.1	16.9
West	28.2	26.6	26.0	28.8	33.3	35.2	38.7	32.7	33.0	31.3	33.0	31.6	29.5	24.8	22.3	20.4
Population Density:																
Large MSA	30.3	27.5	27.1	30.2	32.1	34.6	38.3	33.8	31.5	30.5	30.4	28.3	24.5	20.7	16.9	16.0
Other MSA	26.3	25.8	26.8	27.3	28.7	30.1	33.3	30.0	29.7	27.8	26.9	26.4	24.5	22.7	20.9	18.5
Non-MSA	23.4	23.3	24.2	24.2	24.7	27.5	31.4	27.0	24.4	26.2	25.5	23.1	23.0	18.4	21.1	18.4
Parental Education: c																
1.0-2.0 (Low)	_	23.2	23.2	24.7	25.2	28.2	29.2	25.7	25.6	27.3	25.8	23.2	21.5	19.7	18.2	15.2
2.5–3.0	_	25.6	27.0	26.4	27.6	30.7	33.5	30.4	28.1	28.2	27.4	27.0	24.2	20.5	20.0	17.9
3.5-4.0	_	26.1	26.2	27.8	29.2	30.7	34.7	30.9	28.6	29.3	28.9	26.6	24.7	20.5	21.4	19.1
4.5-5.0	_	27.2	25.9	27.3	28.7	29.9	34.8	29.4	30.0	26.2	27.1	24.9	23.8	21.7	19.3	17.5
5.5-6.0 (High)	_	25.6	24.8	28.6	30.4	30.8	36.7	31.3	29.0	26.2	23.8	23.8	24.9	22.0	19.6	17.2
Race/Ethnicity (2-year average): d																
White	_	_	26.6	27.7	28.8	30.6	34.5	32.1	31.2	30.2	29.6	28.2	26.6	24.4	22.5	21.0
African American	_	_	14.2	13.4	13.0	13.8	13.2	14.5	15.2	12.9	12.0	12.1	11.1	10.3	8.6	6.5
Hispanic	_	_	23.8	23.5	23.3	24.7	27.6	25.5	25.2	26.2	27.2	26.2	23.0	20.5	17.7	15.6

TABLE 6 (cont.) ANY ILLICIT DRUG OTHER THAN MARIJUANA: a,b

Trends in Annual Prevalence of Use by Subgroups in Grade 12

Percentage v	vno used in iast	12 monus	

	<u>1991</u>	<u>1992</u>	1993	1994	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	1999	2000	2001 ^e	2002	2003	2004	2005	2006
Approximate weighted N =	15,000	15,800	16,300	15,400	15,400	14,300	15,400	15,200	13,600	,	12,800	12,900	14,600	14,600	14,700	14,200
Total	16.2	14.9	17.1	18.0	19.4	19.8	20.7	20.2	20.7	20.4‡	21.6	20.9	19.8	20.5	19.7	19.2
Gender:																
Male	17.0	15.5	17.8	18.5	20.7	21.7	21.7	21.7	22.5	21.5‡	23.3	22.0	21.1	21.5	21.4	19.7
Female	14.8	13.8	15.8	16.9	17.3	16.8	18.8	18.0	18.5	18.6‡	19.0	19.0	17.9	18.7	17.5	18.3
College Plans:																
None or under 4 years	20.1	19.5	19.8	22.9	23.9	24.2	25.8	26.5	24.4	24.7‡	24.5	27.2	26.5	26.0	25.3	25.4
Complete 4 years	14.3	13.0	15.9	16.0	17.5	17.9	18.4	17.8	19.4	18.5‡	19.9	19.0	17.4	18.4	18.0	17.4
Region:																
Northeast	15.6	14.7	18.6	17.2	20.2	22.9	24.1	20.7	19.5	21.7‡	22.4	21.5	19.3	20.4	18.0	20.3
Midwest	17.4	15.5	16.4	20.1	19.1	19.2	18.9	19.8	20.9	18.9‡	24.0	19.9	18.7	19.1	21.4	17.9
South	14.4	14.0	16.0	17.3	19.0	18.6	19.8	20.3	21.2	19.0‡	18.6	21.3	19.4	20.8	20.5	19.7
West	17.9	15.8	18.5	17.3	19.9	19.2	20.9	20.0	20.8	23.2‡	22.6	21.1	22.4	21.9	18.0	19.1
Population Density:																
Large MSA	14.2	13.5	15.1	16.7	20.2	18.9	18.6	19.0	17.6	19.4‡	23.6	20.6	15.9	18.0	18.6	20.1
Other MSA	17.9	14.9	18.2	19.2	19.2	20.2	21.5	20.4	21.6	20.9‡	21.2	21.6	22.0	22.3	20.6	18.7
Non-MSA	14.9	16.1	16.8	17.2	18.7	19.8	21.2	21.3	22.4	20.7‡	20.3	20.2	20.9	19.7	19.3	18.9
Parental Education: c																
1.0-2.0 (Low)	17.4	14.9	15.6	17.8	19.4	16.9	19.9	20.0	22.2	20.0‡	17.3	17.8	19.4	18.7	14.8	19.7
2.5–3.0	16.8	15.0	16.1	18.5	19.4	19.7	19.4	20.1	21.0	19.9‡	20.9	20.3	19.6	20.0	20.5	19.4
3.5-4.0	16.3	15.0	17.8	17.6	19.2	19.8	20.4	21.0	21.9	20.5‡	24.5	22.0	21.7	23.0	21.5	20.2
4.5–5.0	14.6	14.3	17.5	18.4	19.4	19.3	21.0	19.1	19.3	20.1‡	20.1	21.2	18.5	19.7	19.7	18.6
5.5-6.0 (High)	14.9	14.3	17.6	16.5	18.3	20.2	21.7	18.9	19.4	20.3‡	18.7	19.8	17.0	17.6	17.5	18.0
Race/Ethnicity (2-year average): '	d															
White	18.7	17.1	17.9	19.4	20.3	21.2	22.3	23.1	22.9	22.7	23.0‡	24.1 ^f	23.0	22.8	22.7	22.0
African American	5.7	5.3	4.8	6.1	6.9	6.0	6.4	7.1	6.8	6.4	6.3‡	6.0 ^f	6.3	6.5	7.1	7.2
Hispanic	15.8	15.1	15.6	16.5	17.9	19.7	18.9	17.5	18.5	21.2	18.2‡	16.1 ^f	16.0	16.2	16.7	17.3

TABLE 6 (cont.) ANY ILLICIT DRUG OTHER THAN MARIJUANA: a,b Trends in Annual Prevalence of Use by Subgroups in Grade 12

					Percen	tage who	used ir	last 12	months					
	0007	0000	0000	0040	0044	0040	0040	0044	0045	0040	0047	0040	0040	2018-2019
Approximate weighted N =	2007 14.500	2008 14,000	2009 13,700	2010 14,400	2011 14.100	2012 13,700	2013 12.600	2014 12,400	2015 12.900	2016 11,800	2017 12,600	2018 13,300	2019 12.900	<u>change</u>
Total	18.5	18.3	17.0	17.3	17.6	17.0‡	17.8	15.9	15.2	14.3	13.3	12.4	11.5	-1.0
Gender:														
Male	20.0	19.9	18.8	19.3	19.1	18.4‡	18.9	16.9	15.7	15.4	14.9	13.9	12.4	-1.4
Female	16.7	16.2	14.9	15.0	15.5	14.9‡	15.9	14.2	14.1	12.5	11.3	9.7	9.7	+0.1
College Plans:														
None or under 4 years	26.0	25.0	22.1	23.6	25.1	19.4‡	24.4	19.8	17.7	15.4	15.7	16.0	15.4	-0.6
Complete 4 years	16.7	16.5	15.7	15.7	15.8	16.1‡	16.2	14.5	14.3	13.6	12.3	10.8	10.0	-0.8
Region:														
Northeast	19.4	18.9	16.8	17.6	16.4	15.1‡	16.7	13.9	13.1	12.3	11.5	12.1	8.1	-4.0 ss
Midwest	18.4	16.8	19.1	16.9	17.5	17.2‡	18.9	16.2	15.0	15.7	12.1	12.2	11.9	-0.3
South	18.8	19.1	16.4	17.4	16.2	16.0‡	17.5	17.2	15.2	14.0	13.6	12.2	11.3	-0.9
West	17.3	18.1	15.6	17.4	20.6	19.5‡	17.9	15.1	16.9	15.0	15.1	13.3	14.7	+1.4
Population Density:														
Large MSA	18.4	16.9	15.9	17.3	16.6	18.3‡	18.1	14.6	14.8	14.3	12.5	11.0	10.7	-0.3
Other MSA	18.1	18.2	17.4	17.7	18.6	17.2‡	18.8	17.7	15.9	14.5	13.9	12.9	11.9	-1.0
Non-MSA	19.5	19.8	17.4	16.3	16.7	14.7‡	15.0	13.0	14.1	13.8	13.4	14.0	11.8	-2.2
Parental Education: c														
1.0-2.0 (Low)	16.7	16.4	14.7	14.9	16.0	16.5‡	15.9	14.7	16.5	13.0	10.7	11.4	10.5	-0.9
2.5-3.0	19.7	17.7	17.3	17.7	16.6	18.0‡	18.6	16.8	14.4	13.2	14.6	12.3	11.7	-0.6
3.5-4.0	18.4	18.7	17.6	18.4	18.8	17.6‡	18.3	15.7	15.8	15.4	13.4	12.4	12.9	+0.4
4.5–5.0	18.5	18.2	17.8	16.8	16.6	16.8‡	18.7	15.1	14.7	14.5	12.5	12.3	10.6	-1.8
5.5-6.0 (High)	17.4	17.9	15.4	15.7	18.3	15.2‡	16.3	16.8	16.0	14.0	14.4	12.1	10.0	-2.0
Race/Ethnicity (2-year average):														
White	21.6	21.5	20.5	19.9	20.0	19.6	18.7‡	17.6	16.1	15.5	14.8	13.9	12.5	-1.4 s
African American	7.0	7.0	6.8	8.3	8.7	7.6	9.5‡	13.0	11.2	10.3	9.1	7.5	7.2	-0.3
Hispanic	15.8	13.7	13.6	12.8	12.8	13.6	14.7‡	15.1	14.0	13.7	12.7	10.8	10.1	-0.8

Source. The Monitoring the Future study, the University of Michigan.

Notes. '‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. The 2013 data are based on half the forms; N is one half of N indicated. Beginning in 2014 data are based on all forms. See the amphetamine notes for details of the changes.

Due to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

^aUse of any illicit drug other than marijuana includes any use of LSD, other hallucinogens, crack, other cocaine, or heroin; or any use of narcotics other than heroin, amphetamines, sedatives (barbiturates), methaqualone (excluded since 1990), or tranquilizers not under a doctor's orders.

^bBeginning in 1982 the question about amphetamine use was revised to get respondents to exclude the inappropriate reporting of nonprescription amphetamines.

The prevalence-of-use rate dropped slightly as a result of this methodological change.

^cParental education is an average score of mother's education and father's education. See appendix B for details.

^dTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

eIn 2001 the question text was changed on half of the questionnaire forms. Other psychedelics was changed to other hallucinogens and shrooms was added to the list of examples. For the tranquilizer list of examples, Miltown was replaced with Xanax. The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

TABLE 7

MARIJUANA: Trends in <u>Lifetime</u> Prevalence of Use by Subgroups in <u>Grade 8</u>

						F	Percenta	ge who e	ever used	t					
	<u>1991</u>	1992	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	2003	<u>2004</u>	2005
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800
Total	10.2	11.2	12.6	16.7	19.9	23.1	22.6	22.2	22.0	20.3	20.4	19.2	17.5	16.3	16.5
Gender:															
Male	11.9	11.9	14.5	19.6	22.5	25.5	24.7	24.3	24.3	22.2	23.6	22.2	19.3	17.6	18.0
Female	8.3	10.3	10.8	13.7	17.2	20.5	20.2	19.6	19.8	18.1	17.2	16.2	15.6	14.9	14.8
College Plans:															
None or under 4 years	22.9	24.5	27.9	33.1	36.2	41.6	41.8	43.5	44.1	41.2	40.8	39.8	38.0	36.9	38.5
Complete 4 years	8.1	9.0	10.4	14.3	17.7	20.2	19.9	19.4	19.1	17.6	17.9	17.1	15.2	14.1	14.0
Region:															
Northeast	7.4	9.2	8.8	15.3	16.0	19.9	20.2	15.6	18.2	17.3	18.7	15.2	13.7	13.6	12.8
Midwest	9.9	9.4	11.5	15.6	21.7	23.1	21.3	23.7	24.6	21.0	18.3	17.9	16.8	15.4	17.6
South	10.8	11.8	12.5	14.9	19.4	22.1	22.7	23.9	23.0	20.5	22.4	22.1	20.0	18.0	18.5
West	12.4	15.1	18.7	22.7	22.4	27.4	25.9	23.1	20.6	21.5	20.7	19.5	17.5	16.8	15.0
Population Density:															
Large MSA	8.9	10.5	10.6	16.7	19.6	24.0	21.6	20.4	20.5	18.8	17.3	17.3	17.1	15.0	15.7
Other MSA	11.4	12.6	15.0	19.8	21.2	24.6	23.2	22.9	21.2	19.4	22.3	19.7	17.1	17.0	17.1
Non-MSA	9.3	9.4	10.1	11.0	18.1	19.1	22.4	22.7	25.6	23.8	20.3	20.7	18.9	16.7	16.3
Parental Education: a															
1.0-2.0 (Low)	20.6	19.9	18.6	24.9	28.7	26.6	31.6	30.6	35.1	32.7	31.8	31.2	31.1	25.7	25.3
2.5–3.0	11.9	13.6	14.6	18.1	23.0	25.9	25.7	26.0	28.3	25.0	25.3	25.5	22.2	21.7	23.0
3.5-4.0	10.1	10.4	13.3	16.8	21.4	25.2	25.0	23.9	21.7	20.7	22.0	19.8	18.3	17.0	17.5
4.5–5.0	6.6	7.9	10.0	13.8	16.3	20.1	19.8	17.9	16.2	14.8	15.3	14.9	12.7	12.7	11.7
5.5-6.0 (High)	6.7	7.3	8.7	14.1	14.9	18.8	15.5	16.8	15.2	14.6	12.8	11.8	11.3	10.5	9.8
Race (2-year average): b															
White	_	9.9	11.0	12.9	16.6	20.5	22.0	21.1	20.0	19.0	18.5	18.0	16.6	15.1	14.6
African American	_	7.4	9.3	13.2	17.1	19.7	21.7	23.0	23.9	23.8	22.2	20.2	19.7	19.9	20.5
Hispanic	_	19.0	20.3	23.3	26.3	27.2	28.6	29.6	29.7	27.1	26.2	27.4	26.1	23.7	20.5

TABLE 7 (cont.)

MARIJUANA: Trends in <u>Lifetime</u> Prevalence of Use by Subgroups in <u>Grade 8</u>

						Perc	entage w	/ho ever	used						
	2006	2007	2008	2009	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	2018-2019 <u>change</u>
Approximate weighted N =	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	14,400	16,900	15,300	14,000	13,600	
Total	15.7	14.2	14.6	15.7	17.3	16.4	15.2	16.5	15.6	15.5	12.8	13.5	13.9	15.2	+1.3
Gender:															
Male	17.1	15.2	16.3	17.9	18.9	18.1	16.5	17.0	15.8	16.0	12.8	13.4	14.4	13.6	-0.8
Female	14.0	12.8	12.7	13.4	15.8	14.1	13.6	15.6	14.7	14.6	12.8	13.3	13.3	16.4	+3.2 s
College Plans:															
None or under 4 years	35.4	35.3	35.0	32.2	36.8	35.5	32.9	34.3	29.2	30.0	27.8	26.3	26.9	27.0	+0.1
Complete 4 years	13.6	12.2	12.7	14.3	15.7	14.8	13.8	15.2	14.4	14.1	11.5	12.0	12.1	13.5	+1.4
Region:															
Northeast	12.6	8.8	11.7	14.2	15.5	10.4	10.0	13.1	12.8	10.9	8.6	10.1	9.4	9.7	+0.3
Midwest	15.6	13.5	16.6	15.3	15.1	13.8	12.2	13.3	14.5	16.4	13.0	11.5	11.1	14.0	+2.8
South	18.4	16.6	15.8	17.2	19.9	17.8	17.6	19.4	15.8	15.9	14.0	13.7	13.5	16.7	+3.2
West	13.6	14.0	12.9	14.9	16.6	21.5	18.3	17.4	18.1	16.7	13.7	17.3	20.5	17.8	-2.7
Population Density:															
Large MSA	14.7	11.6	12.9	13.1	16.5	14.7	14.4	17.4	17.6	15.6	12.5	12.5	14.0	13.3	-0.7
Other MSA	16.2	15.3	15.9	17.1	18.3	17.8	15.8	15.0	14.7	15.9	12.4	14.6	14.0	15.9	+1.9
Non-MSA	16.2	15.4	14.2	16.3	16.3	16.1	15.3	18.2	14.3	14.1	14.4	12.0	13.5	16.6	+3.1
Parental Education: a															
1.0-2.0 (Low)	25.6	26.6	24.5	24.1	26.2	27.8	27.8	29.1	25.2	25.3	20.9	21.6	22.4	24.6	+2.2
2.5–3.0	20.8	19.8	19.7	21.2	23.1	23.0	22.2	23.4	21.8	20.5	18.0	18.9	20.0	25.0	+5.0 s
3.5–4.0	17.2	15.5	16.0	17.2	18.9	18.1	16.7	18.6	18.0	17.3	14.3	14.8	16.3	17.3	+1.0
4.5–5.0	11.1	9.2	11.0	11.4	13.3	11.7	10.6	11.6	10.4	9.6	10.0	9.2	9.0	10.2	+1.2
5.5-6.0 (High)	9.3	6.5	8.3	9.7	10.3	8.6	7.6	9.4	10.0	9.4	6.6	8.1	7.1	8.8	+1.7
Race (2-year average): b															
White	14.1	12.9	12.5	13.3	14.4	14.3	12.7	11.7	11.4	10.9	10.0	9.5	9.9	10.3	+0.4
African American	19.5	16.4	15.9	18.1	19.9	18.9	17.2	18.9	18.8	17.6	17.2	17.0	15.6	16.7	+1.1
Hispanic	19.3	19.1	18.1	18.5	20.4	21.8	22.8	22.1	21.2	20.0	17.5	15.5	16.4	18.5	+2.0 s

Source. The Monitoring the Future Study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence-of-use estimates for the two most recent classes is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 8

MARIJUANA: Trends in <u>Lifetime</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

						F	Percenta	ge who e	ever used	d					
	1991	1992	1993	<u>1994</u>	<u>1995</u>	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200
Total	23.4	21.4	24.4	30.4	34.1	39.8	42.3	39.6	40.9	40.3	40.1	38.7	36.4	35.1	34.1
Gender:															
Male	25.3	23.3	27.0	33.6	36.2	42.3	45.1	41.6	43.3	44.2	43.9	41.7	38.5	37.2	36.1
Female	21.4	19.3	21.7	26.8	31.6	37.3	39.3	37.6	38.4	36.3	36.4	35.8	34.1	32.9	31.8
College Plans:															
None or under 4 years	37.7	34.6	39.4	44.9	49.5	55.9	60.6	56.1	59.6	58.1	56.7	57.5	53.3	51.7	50.5
Complete 4 years	20.2	18.4	21.1	27.1	31.4	37.0	39.2	36.5	37.8	37.5	37.4	35.7	33.5	32.8	31.7
Region:															
Northeast	22.3	19.3	26.5	30.0	33.1	39.6	41.2	41.9	41.0	37.4	38.8	38.2	36.1	36.0	35.0
Midwest	23.2	20.8	21.7	27.4	30.8	38.0	41.3	35.7	40.3	38.0	38.8	36.6	32.3	32.1	33.4
South	21.3	19.4	23.1	29.8	34.9	41.3	41.9	39.8	39.6	39.8	39.6	38.0	38.9	37.4	35.6
West	27.4	27.4	29.4	36.7	38.4	39.4	45.7	41.4	43.6	46.9	45.2	43.2	37.8	34.8	31.5
Population Density:															
Large MSA	23.6	20.5	23.5	30.9	32.4	38.3	42.2	36.8	40.3	39.9	36.4	37.0	35.6	33.6	33.2
Other MSA	24.9	22.0	25.5	33.6	37.2	42.5	44.1	41.7	42.0	41.2	42.4	40.9	36.5	35.1	34.7
Non-MSA	20.6	21.1	23.2	24.0	30.0	36.2	39.1	38.8	39.2	38.9	39.8	36.4	37.2	37.0	33.9
Parental Education: a															
1.0-2.0 (Low)	30.3	28.7	32.0	35.8	39.3	40.8	46.2	43.2	49.0	46.1	44.0	45.9	43.1	45.6	40.1
2.5–3.0	26.2	22.9	26.0	32.8	38.0	42.3	45.7	45.2	45.2	44.3	45.7	44.8	41.9	40.3	40.0
3.5–4.0	23.4	21.4	24.6	30.8	35.5	42.4	44.8	40.1	40.9	44.0	40.6	38.1	37.9	37.6	34.9
4.5–5.0	20.3	18.8	20.4	27.0	31.7	37.4	38.9	35.0	36.8	35.7	37.3	35.2	31.2	30.0	30.4
5.5-6.0 (High)	20.0	17.7	21.9	25.9	26.8	34.7	35.4	33.8	36.2	32.7	33.8	31.4	29.7	27.5	28.2
Race (2-year average): b															
White	_	23.0	23.2	27.2	32.3	37.1	41.1	40.9	39.9	40.1	39.7	39.3	37.4	35.1	33.7
African American	_	16.2	16.2	22.1	28.6	34.3	38.1	37.1	37.3	39.5	40.1	38.1	36.9	38.0	38.3
Hispanic	_	26.9	28.8	33.5	37.5	42.2	46.5	46.6	46.5	46.0	44.9	41.9	39.4	39.9	38.8

TABLE 8 (cont.)

MARIJUANA: Trends in <u>Lifetime</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

						Perc	entage v	/ho ever	used						
	2006	2007	2008	2009	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	2018-2019 <u>change</u>
Approximate weighted N =	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	15,600	14,700	13,500	14,300	14,000	
Total	31.8	31.0	29.9	32.3	33.4	34.5	33.8	35.8	33.7	31.1	29.7	30.7	32.6	34.0	+1.5
Gender:															
Male	32.9	33.5	31.7	35.8	36.9	37.8	37.1	38.9	35.2	31.7	29.2	29.9	32.4	32.9	+0.5
Female	30.6	28.4	28.0	29.0	29.8	31.2	30.6	32.6	31.9	30.2	29.8	31.0	32.5	34.8	+2.3
College Plans:															
None or under 4 years	51.6	50.3	51.7	52.8	54.5	54.1	51.3	53.3	50.5	48.3	44.0	42.5	46.8	46.6	-0.3
Complete 4 years	29.2	28.3	27.0	30.0	30.9	32.2	31.9	33.9	31.8	29.3	28.1	28.9	30.4	31.6	+1.2
Region:															
Northeast	30.6	30.6	31.5	29.4	30.8	33.7	35.7	32.7	31.8	31.3	28.2	30.1	34.1	35.2	+1.1
Midwest	30.7	29.9	27.8	28.5	31.1	31.9	28.6	32.8	30.0	26.9	28.4	29.6	29.2	30.9	+1.7
South	33.0	30.7	31.1	35.0	35.2	35.7	34.5	38.6	34.6	31.9	30.3	29.6	32.0	34.2	+2.3
West	32.3	32.7	29.0	34.9	35.4	36.4	36.7	37.8	37.4	33.9	31.4	33.9	35.8	36.1	+0.3
Population Density:															
Large MSA	29.6	31.0	30.1	31.4	31.2	32.5	33.8	34.1	33.3	30.7	29.2	31.2	34.8	33.4	-1.4
Other MSA	31.7	30.9	30.2	33.4	35.3	36.5	34.1	37.5	34.4	31.3	29.1	30.9	33.4	35.7	+2.4
Non-MSA	35.3	31.0	28.6	31.2	32.7	33.7	32.9	34.4	32.5	31.1	32.4	29.5	27.2	30.3	+3.1
Parental Education: a															
1.0-2.0 (Low)	41.7	37.4	39.7	43.8	43.6	44.4	47.5	45.3	40.9	42.6	34.7	35.8	38.3	40.8	+2.5
2.5–3.0	39.1	37.8	35.8	37.2	40.4	41.6	39.8	43.7	41.2	38.8	37.0	36.4	39.2	43.1	+4.0
3.5–4.0	33.0	32.8	32.3	33.9	35.5	36.9	35.6	38.1	38.0	35.3	31.7	33.1	34.9	36.9	+1.9
4.5–5.0	26.7	26.3	24.0	28.0	26.6	28.7	30.4	31.5	27.9	26.2	26.1	27.4	28.3	28.8	+0.5
5.5-6.0 (High)	25.0	22.2	21.8	25.1	27.0	25.9	26.2	26.5	25.4	22.3	24.4	24.8	26.1	26.2	+0.1
Race (2-year average): b															
White	32.4	31.2	29.6	29.7	31.3	32.1	31.8	31.7	31.6	29.8	28.9	28.7	28.8	29.8	+1.1
African American	36.0	32.9	30.0	29.7	32.6	37.0	38.3	38.7	38.3	35.6	33.0	31.7	32.4	34.9	+2.4 s
Hispanic	34.7	32.1	34.8	37.8	38.9	38.9	40.4	42.9	42.1	39.3	35.2	33.5	35.3	36.8	+1.5

Source. The Monitoring the Future Study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence-of-use estimates for the two most recent classes is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 9

MARIJUANA: Trends in <u>Lifetime</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

Percen	tage v	vho ever	used

•																
	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	1984	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>
Approximate weighted N =	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200
Total	47.3	52.8	56.4	59.2	60.4	60.3	59.5	58.7	57.0	54.9	54.2	50.9	50.2	47.2	43.7	40.7
Gender:																
Male	52.7	58.9	61.9	64.4	65.0	64.4	62.5	61.5	59.9	57.9	56.6	53.3	52.0	49.8	46.6	43.6
Female	42.7	46.1	50.8	53.9	55.7	56.1	56.2	55.5	53.4	51.3	51.5	48.2	48.0	44.5	40.4	37.3
College Plans:																
None or under 4 years	_	55.3	59.6	61.4	62.9	64.3	63.5	63.8	61.2	60.7	59.1	56.0	57.0	53.6	51.5	48.0
Complete 4 years	_	48.7	52.0	55.5	56.8	56.8	55.9	54.0	52.2	49.7	50.2	47.5	46.4	44.0	39.7	37.2
Region:																
Northeast	56.3	60.7	62.5	66.7	69.8	67.4	67.8	64.6	63.7	64.0	62.2	56.8	55.7	49.6	45.4	44.5
Midwest	46.9	52.1	56.0	60.6	60.9	60.2	59.9	59.8	57.0	52.3	53.8	52.0	50.1	48.0	46.8	42.6
South	38.8	45.7	51.4	52.4	51.6	53.6	50.8	51.1	50.8	49.1	44.5	43.7	43.6	42.4	38.2	35.4
West	52.5	55.9	57.1	59.0	62.1	62.9	63.2	61.7	59.2	59.8	60.4	53.8	55.1	52.0	48.4	43.0
Population Density:																
Large MSA	58.1	60.1	62.5	66.2	68.5	67.9	65.9	64.0	62.3	59.3	59.2	55.8	53.2	47.8	41.4	40.8
Other MSA	48.1	52.3	57.7	60.2	62.0	61.0	59.6	59.6	58.8	56.0	54.6	51.5	52.0	49.7	45.0	42.5
Non-MSA	39.6	47.8	49.7	51.9	52.1	53.9	54.6	53.1	50.5	49.8	49.3	45.9	43.5	41.9	43.2	36.9
Parental Education: a																
1.0-2.0 (Low)	42.3	47.8	50.1	53.1	56.5	57.3	56.5	55.4	56.2	52.6	52.9	47.0	46.1	48.0	39.5	38.1
2.5–3.0	47.0	54.4	56.9	59.1	60.1	61.0	59.0	58.8	56.7	55.6	54.5	52.1	51.6	47.0	45.5	42.2
3.5–4.0	45.6	53.2	58.8	60.5	61.9	60.8	60.0	60.7	56.6	56.3	55.6	51.7	51.0	47.9	45.6	42.1
4.5–5.0	48.5	55.5	57.6	61.6	61.8	60.9	60.9	59.8	58.0	53.2	54.5	50.7	49.7	47.7	42.2	40.4
5.5-6.0 (High)	46.9	57.3	56.9	63.3	61.5	62.0	61.6	58.4	56.7	53.7	50.0	49.5	49.5	45.0	40.7	37.9
Race (2-year average): b																
White	_	_	55.1	58.7	60.6	61.3	61.3	60.7	58.8	56.5	55.5	53.8	52.2	51.1	48.3	45.4
African American	_	_	48.5	50.8	50.7	51.4	51.1	51.4	53.9	52.6	49.7	46.9	42.6	38.8	33.4	27.7
Hispanic	_	_	55.6	54.7	55.3	56.7	53.9	53.9	54.4	54.5	53.4	51.0	47.7	46.0	42.8	38.5

TABLE 9 (cont.)

MARIJUANA: Trends in <u>Lifetime</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

Percentage who ever used

	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	2003	2004	2005
Approximate weighted N =	15,000	15,800	16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700
Total	36.7	32.6	35.3	38.2	41.7	44.9	49.6	49.1	49.7	48.8	49.0	47.8	46.1	45.7	44.8
Gender:															
Male	40.3	36.3	38.9	42.8	45.2	48.6	52.0	53.2	52.1	51.5	51.9	50.7	50.1	48.5	49.1
Female	32.8	28.6	31.2	33.7	37.7	40.7	46.6	44.6	47.0	45.7	45.7	44.7	42.0	42.6	40.2
College Plans:															
None or under 4 years	43.6	41.8	41.7	44.6	48.8	53.1	56.5	55.6	57.2	55.2	55.9	55.5	55.6	52.6	54.7
Complete 4 years	33.8	28.8	32.7	35.6	38.8	41.8	47.2	46.4	47.0	45.9	46.6	45.6	42.9	43.5	42.1
Region:															
Northeast	40.4	34.5	41.1	44.3	44.5	48.9	54.3	54.1	50.8	52.5	54.9	52.4	50.0	51.2	50.4
Midwest	39.3	32.1	34.5	37.3	43.3	45.4	47.0	45.1	48.1	46.9	48.2	48.2	48.2	45.6	44.0
South	31.2	29.9	32.9	36.1	39.2	41.9	46.3	48.3	48.8	43.6	44.9	44.6	40.9	42.0	43.1
West	39.3	36.8	35.7	37.7	41.5	45.3	54.6	51.0	52.3	56.1	51.2	48.3	48.6	46.5	43.4
Population Density:															
Large MSA	36.1	32.5	36.5	38.6	44.1	46.4	48.9	50.7	50.3	49.1	50.1	48.1	43.4	42.8	45.5
Other MSA	41.4	32.6	36.3	40.7	42.1	47.8	52.6	50.3	50.6	50.2	49.1	50.5	49.5	49.3	45.9
Non-MSA	29.4	32.7	32.7	33.2	38.3	38.2	44.5	44.5	47.4	45.9	47.5	42.2	43.5	42.2	41.8
Parental Education: a															
1.0-2.0 (Low)	38.0	36.6	34.6	35.4	39.8	42.1	46.0	45.6	50.5	51.9	48.8	42.8	44.5	43.1	39.6
2.5–3.0	36.8	32.9	34.8	38.5	41.8	44.8	49.7	50.2	51.5	50.4	50.5	49.4	47.8	47.3	47.8
3.5–4.0	36.8	33.2	36.7	39.3	41.7	45.0	49.3	50.5	51.2	49.3	50.4	50.1	47.1	49.0	47.5
4.5–5.0	35.5	30.0	34.3	38.3	40.7	45.5	49.7	48.0	46.2	45.8	47.9	47.1	45.4	43.3	43.4
5.5-6.0 (High)	38.0	29.6	34.9	37.6	43.2	44.2	51.1	47.8	47.6	47.2	45.1	45.4	41.9	42.8	40.7
Race (2-year average): b															
White	41.3	36.3	35.6	38.3	41.1	43.9	48.3	50.9	50.3	49.4	49.8	49.9	48.8	48.2	47.5
African American	24.9	23.0	24.1	29.4	34.7	39.0	41.3	42.7	45.1	45.7	43.5	41.7	40.0	39.1	39.0
Hispanic	39.9	40.5	36.8	36.6	39.8	43.5	48.6	50.2	51.1	55.0	52.0	47.6	44.2	42.7	42.8

TABLE 9 (cont.)

MARIJUANA: Trends in <u>Lifetime</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

						Perc	entage v	/ho ever	used						
	<u>2006</u>	2007	2008	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	2018-2019 <u>change</u>
Approximate weighted N =	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	42.3	41.8	42.6	42.0	43.8	45.5	45.2	45.5	44.4	44.7	44.5	45.0	43.6	43.7	+0.1
Gender:															
Male	43.7	44.8	44.8	45.4	47.1	48.7	49.2	49.1	46.2	46.2	45.5	45.7	43.5	43.7	+0.2
Female	40.6	38.6	40.1	38.1	40.0	41.8	40.5	41.3	42.3	43.3	43.3	43.9	42.8	42.9	+0.1
College Plans:															
None or under 4 years	53.3	49.8	54.2	50.4	54.7	52.6	53.6	54.1	52.0	51.0	48.2	49.0	48.9	49.3	+0.4
Complete 4 years	39.2	39.5	39.6	39.8	41.0	43.5	43.0	43.1	42.0	43.1	43.0	43.6	41.8	41.6	-0.2
Region:															
Northeast	48.5	48.9	46.7	45.4	50.3	48.8	47.3	49.5	46.7	49.2	46.6	48.0	48.3	44.5	-3.8
Midwest	42.5	42.5	41.3	42.1	40.8	43.0	39.4	38.8	43.5	41.0	41.8	46.1	45.0	41.6	-3.4
South	41.0	40.0	42.0	40.2	41.6	42.8	43.5	45.0	43.2	41.3	42.0	42.0	38.6	42.4	+3.8
West	38.9	37.9	42.0	41.7	45.1	50.1	52.1	50.0	45.1	50.5	50.0	46.8	47.3	49.1	+1.8
Population Density:															
Large MSA	44.4	43.6	44.4	45.6	45.4	47.9	48.1	48.5	44.1	47.2	46.5	47.4	44.4	44.5	+0.2
Other MSA	42.3	41.2	41.2	40.4	45.1	46.3	45.4	46.5	46.6	44.5	44.9	44.1	42.9	43.2	+0.4
Non-MSA	39.5	40.2	43.8	40.8	38.2	40.3	40.1	38.5	39.2	40.8	40.8	43.2	43.8	43.6	-0.3
Parental Education: a															
1.0-2.0 (Low)	46.8	44.6	42.6	42.7	44.5	48.3	52.6	50.8	48.4	48.8	47.7	43.2	42.9	45.6	+2.7
2.5-3.0	46.1	45.0	46.3	44.2	45.6	48.6	48.2	49.0	48.9	48.6	46.5	48.5	46.9	46.5	-0.4
3.5-4.0	43.3	41.5	42.9	44.0	45.6	47.3	46.3	47.9	45.5	46.8	47.4	47.1	46.3	47.8	+1.5
4.5-5.0	37.1	39.4	40.1	38.7	42.8	42.2	42.7	41.4	41.3	41.1	41.8	43.5	42.0	37.2	-4.8 s
5.5-6.0 (High)	40.5	39.0	40.2	38.4	36.9	40.9	38.6	39.0	39.0	39.5	37.9	40.5	38.6	41.7	+3.1
Race (2-year average): b															
White	45.3	43.3	43.4	43.3	43.3	44.8	45.2	44.0	43.7	43.8	43.6	44.3	44.2	42.7	-1.5
African American	38.9	37.7	38.0	40.0	41.0	41.8	42.1	43.8	43.7	41.1	41.8	43.7	43.7	43.0	-0.7
Hispanic	43.1	41.3	40.1	40.7	42.3	45.6	48.7	50.7	48.7	48.2	50.3	47.7	43.7	43.6	-0.1

Source. The Monitoring the Future Study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence-of-use estimates for the two most recent classes is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 10

MARIJUANA: Trends in Annual Prevalence of Use by Subgroups in Grade 8

						Percer	ntage wh	o used ir	n last 12	months					
	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	2003	2004	2005
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800
Total	6.2	7.2	9.2	13.0	15.8	18.3	17.7	16.9	16.5	15.6	15.4	14.6	12.8	11.8	12.2
Gender:															
Male	7.3	7.4	10.5	15.1	17.7	19.6	19.2	18.0	18.1	16.7	18.1	17.0	13.9	12.3	13.0
Female	5.1	6.9	8.0	10.9	13.7	16.9	16.1	15.3	14.9	14.3	12.8	12.4	11.5	11.2	11.4
College Plans:															
None or under 4 years	15.8	17.5	22.4	27.7	30.3	34.6	34.5	35.0	34.9	33.6	34.4	33.1	31.3	29.0	30.5
Complete 4 years	4.6	5.5	7.3	11.0	13.8	15.8	15.5	14.5	14.0	13.4	13.2	12.7	10.7	10.0	10.2
Region:															
Northeast	5.0	5.8	6.2	12.1	13.0	15.3	16.2	11.7	14.4	13.2	14.5	11.3	10.0	10.2	9.8
Midwest	5.9	6.0	8.0	12.0	17.5	18.6	17.0	18.1	18.5	16.6	14.1	14.3	12.3	10.9	12.8
South	6.1	7.3	9.0	11.4	14.7	17.1	17.2	17.9	16.7	15.2	16.8	16.3	14.4	12.9	13.5
West	7.8	10.3	14.8	18.1	18.4	22.5	20.6	18.2	15.6	16.9	15.5	15.3	12.9	12.3	11.4
Population Density:															
Large MSA	5.2	6.7	8.0	13.1	15.6	18.3	16.4	16.0	15.6	14.5	12.4	12.7	11.5	10.8	11.7
Other MSA	7.2	8.3	10.9	15.7	17.2	19.5	18.2	17.4	15.4	14.8	17.4	15.2	12.9	12.4	12.9
Non-MSA	5.3	5.7	7.2	8.0	13.7	15.8	18.0	16.9	19.7	18.5	15.3	16.1	14.1	11.9	11.6
Parental Education: a															
1.0-2.0 (Low)	13.2	12.7	13.6	18.7	23.0	20.2	24.8	25.0	25.8	26.2	26.0	24.2	22.5	19.7	18.2
2.5–3.0	7.0	7.7	10.7	14.5	17.9	20.6	20.3	20.0	20.8	19.4	19.5	18.7	16.5	15.4	17.4
3.5-4.0	6.2	7.0	9.7	13.2	17.2	20.2	19.5	17.7	16.3	15.9	16.7	15.4	13.7	12.8	12.8
4.5–5.0	3.7	5.4	7.4	10.9	12.7	16.2	15.7	13.7	11.7	10.8	11.1	11.4	8.9	9.0	8.9
5.5-6.0 (High)	4.6	5.2	6.4	11.0	13.0	14.7	12.1	12.7	12.4	11.5	9.4	9.7	8.0	7.7	7.1
Race/Ethnicity (2-year average): b															
White	_	6.4	7.8	10.0	13.5	16.7	17.8	16.7	15.4	14.9	14.7	14.5	13.0	11.5	11.1
African American	_	4.1	5.7	8.9	11.9	14.0	15.3	16.0	16.3	16.1	14.6	12.7	12.6	12.8	13.6
Hispanic	_	11.9	13.9	18.1	20.4	20.8	21.8	22.7	22.8	20.1	19.9	21.1	19.1	16.7	14.7

TABLE 10 (cont.)

MARIJUANA: Trends in Annual Prevalence of Use by Subgroups in Grade 8

					Pe	rcentage	e who us	ed in las	t 12 mor	iths					
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2018-2019 change
Approximate weighted N =	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	14,400	16,900	15,300	14,000	13,600	<u></u>
Total	11.7	10.3	10.9	11.8	13.7	12.5	11.4	12.7	11.7	11.8	9.4	10.1	10.5	11.8	+1.3
Gender:															
Male	12.7	11.2	12.2	13.5	15.0	14.0	12.2	12.6	11.9	11.9	9.3	9.6	10.6	10.2	-0.4
Female	10.4	9.3	9.5	10.0	12.4	10.6	10.4	12.5	11.0	11.4	9.3	10.3	10.2	13.0	+2.8 s
College Plans:															
None or under 4 years	28.8	28.1	27.7	26.7	30.7	27.6	28.4	27.8	24.1	24.3	22.2	21.1	21.6	21.9	+0.4
Complete 4 years	10.0	8.6	9.4	10.5	12.3	11.2	10.1	11.6	10.6	10.6	8.2	8.8	8.9	10.3	+1.4
Region:															
Northeast	9.3	6.4	8.3	11.9	12.2	7.8	7.9	10.1	10.3	8.7	6.0	7.8	7.4	8.2	+0.8
Midwest	11.0	9.8	12.6	11.1	12.1	10.7	8.5	10.5	10.7	13.1	10.0	8.7	8.4	10.9	+2.5
South	13.8	11.9	11.5	12.5	15.2	13.3	13.2	14.5	11.5	11.6	9.9	9.8	9.7	12.0	+2.3
West	10.6	10.5	10.3	11.2	13.7	16.8	14.1	13.7	14.0	12.9	10.2	13.6	16.0	14.6	-1.4
Population Density:															
Large MSA	10.3	8.7	9.9	10.1	13.5	11.4	10.7	13.5	13.6	12.0	9.1	9.5	10.8	9.9	-0.9
Other MSA	12.5	10.8	11.8	12.8	14.3	14.0	12.3	11.7	10.8	12.2	8.9	10.9	10.7	12.6	+1.9
Non-MSA	12.0	11.4	10.4	11.8	12.3	11.2	10.8	13.6	10.9	10.4	10.9	9.2	9.5	12.8	+3.3 s
Parental Education: a															
1.0-2.0 (Low)	19.4	19.4	18.5	17.6	20.7	20.2	19.2	21.9	19.3	19.0	14.3	16.0	15.9	18.8	+2.9
2.5–3.0	15.1	13.8	14.6	15.8	18.4	17.5	16.3	18.3	16.7	15.8	13.0	14.7	15.1	19.5	+4.4 s
3.5–4.0	13.1	11.3	11.8	13.0	14.7	14.0	13.0	15.1	12.9	12.9	10.7	10.6	12.5	13.4	+0.9
4.5–5.0	8.0	7.2	8.2	8.7	10.6	9.1	8.2	8.6	8.0	7.6	7.4	6.7	7.0	8.0	+0.9
5.5-6.0 (High)	7.1	4.9	6.7	7.4	8.1	6.6	5.8	6.6	7.9	7.3	4.7	6.7	5.2	6.8	+1.6
Race/Ethnicity (2-year average): ^b															
White	10.9	9.9	9.6	10.3	11.5	11.4	10.0	9.1	8.9	8.7	7.8	7.3	7.5	8.0	+0.5
African American	12.9	11.1	10.6	12.3	14.1	13.6	12.4	13.6	13.2	11.9	11.7	11.5	10.7	11.6	+0.9
Hispanic	14.3	13.7	13.2	13.6	15.3	16.9	17.2	16.8	16.0	15.0	12.8	11.4	12.4	14.3	+1.9 ss

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent

inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.

See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 11

MARIJUANA: Trends in Annual Prevalence of Use by Subgroups in Grade 10

						Percer	itage wh	o used ir	n last 12	months					
Approximate weighted N =	<u>1991</u> 14,800	1992 14,800	1993 15,300	<u>1994</u> 15,800	<u>1995</u> 17,000	1996 15,600	<u>1997</u> 15,500	<u>1998</u> 15,000	1999 13,600	2000 14,300	2001 14,000	2002 14,300	2003 15,800	2004 16,400	2005 16,200
Total	16.5	15.2	19.2	25.2	28.7	33.6	34.8	31.1	32.1	32.2	32.7	30.3	28.2	27.5	26.6
Gender:								•							
Male	17.7	16.3	21.2	28.2	30.6	36.0	37.3	32.2	34.3	36.1	36.0	32.3	30.0	29.0	28.1
Female	15.1	13.9	16.9	21.9	26.5	31.4	32.3	30.1	29.7	28.4	29.6	28.4	26.4	25.8	24.9
College Plans:															
None or under 4 years	26.9	25.1	31.5	37.3	41.8	48.9	51.5	46.8	48.3	48.8	47.4	46.6	44.6	41.9	41.4
Complete 4 years	14.2	13.0	16.5	22.4	26.4	31.0	32.0	28.2	29.3	29.7	30.3	27.7	25.5	25.4	24.6
Region:															
Northeast	17.1	14.9	22.4	25.6	28.8	34.8	34.6	35.4	34.4	30.3	34.1	31.7	29.5	29.2	28.7
Midwest	15.8	14.8	17.4	23.4	26.6	33.1	34.4	28.5	31.6	31.1	31.7	29.0	25.0	25.3	26.4
South	14.5	12.5	16.4	23.8	28.4	33.9	34.4	30.7	30.9	31.4	31.2	28.9	29.6	29.0	27.4
West	19.4	20.4	24.0	30.0	32.2	32.4	36.5	30.7	32.0	37.1	36.4	33.4	28.8	26.4	23.4
Population Density:															
Large MSA	16.5	15.1	19.0	26.3	27.8	31.5	34.1	28.7	31.2	32.4	30.0	29.0	27.1	25.9	25.3
Other MSA	17.3	15.9	19.8	28.2	31.2	36.2	36.6	33.1	33.6	32.8	35.2	32.4	28.7	27.8	28.0
Non-MSA	14.9	13.9	18.2	18.5	24.8	30.9	32.5	30.2	30.0	31.1	30.9	27.6	29.0	29.0	25.5
Parental Education: a															
1.0-2.0 (Low)	20.3	18.9	22.4	25.8	32.0	32.9	34.5	31.7	38.1	37.1	33.6	33.5	33.7	33.2	28.6
2.5–3.0	17.8	16.0	19.7	26.3	31.8	35.6	36.8	35.3	35.4	34.9	37.1	35.1	32.2	30.6	31.1
3.5-4.0	16.2	15.1	19.3	25.6	30.0	36.4	37.8	31.6	31.9	35.0	32.6	30.1	29.4	29.5	27.1
4.5–5.0	14.9	14.1	17.6	23.8	27.0	31.7	33.1	28.3	28.8	28.9	31.4	27.9	24.3	24.3	24.5
5.5-6.0 (High)	15.9	13.7	18.5	23.3	23.4	30.3	30.5	27.7	30.6	27.3	29.4	25.8	24.3	22.5	23.6
Race/Ethnicity (2-year average): b															
White	_	17.0	18.0	22.6	27.7	32.0	35.3	34.2	32.5	32.6	32.9	32.7	30.6	28.2	27.3
African American	_	7.6	8.7	15.3	20.9	25.7	28.4	26.9	26.3	27.6	28.7	26.5	25.1	27.0	27.2
Hispanic	_	18.9	21.3	25.1	29.2	34.6	36.8	34.4	34.0	34.8	34.9	31.6	28.8	29.8	28.6

TABLE 11 (cont.)

MARIJUANA: Trends in Annual Prevalence of Use by Subgroups in Grade 10

					Pe	rcentage	who us	ed in las	t 12 mor	iths					
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2018-2019 change
Approximate weighted N =		16.100	15.100	15,900	15,200	14,900	15,000	12,900			14.700	13,500	14,300	14,000	change
Total	25.2	24.6	23.9	26.7	27.5	28.8	28.0	29.8	27.3	25.4	23.9	25.5	27.5	28.8	+1.4
Gender:															
Male	26.3	26.8	25.5	29.6	30.7	31.8	31.0	32.7	28.3	25.9	23.3	24.2	27.2	27.6	+0.4
Female	24.0	22.4	22.2	23.9	24.3	25.8	25.3	27.0	26.0	24.7	24.0	26.5	27.6	29.7	+2.1
College Plans:															
None or under 4 years	42.0	42.1	43.5	44.5	45.8	47.9	43.6	46.5	41.4	40.8	37.2	35.5	40.3	40.2	-0.1
Complete 4 years	23.0	22.2	21.4	24.7	25.3	26.7	26.5	28.0	25.7	23.8	22.4	24.0	25.6	26.6	+1.1
Region:															
Northeast	24.9	25.0	26.3	24.1	26.2	29.3	31.4	28.7	27.4	26.7	24.1	25.9	29.8	30.7	+0.9
Midwest	24.8	24.9	22.6	23.6	25.7	26.8	23.7	27.5	24.5	21.5	23.0	25.7	25.0	26.5	+1.6
South	25.5	22.7	24.0	28.7	27.8	28.6	27.9	31.1	27.6	25.8	23.8	23.5	26.2	27.9	+1.7
West	25.3	26.2	23.4	29.4	30.3	30.9	30.2	31.3	29.4	27.7	24.6	27.9	30.2	31.4	+1.1
Population Density:															
Large MSA	24.0	24.5	24.2	26.6	26.6	27.4	28.6	28.7	27.5	25.6	24.0	27.0	29.1	29.1	0.0
Other MSA	25.1	24.9	24.7	27.8	29.1	30.6	28.1	31.5	28.0	25.9	23.2	25.2	28.5	30.1	+1.6
Non-MSA	27.4	23.9	21.7	24.5	25.7	27.2	27.0	27.3	25.1	23.8	25.4	23.7	22.4	24.8	+2.4
Parental Education: a															
1.0-2.0 (Low)	31.9	28.4	30.2	36.0	34.8	35.8	37.1	36.9	31.5	34.2	26.6	28.8	31.2	32.3	+1.1
2.5–3.0	29.6	29.4	28.3	29.9	33.0	34.0	33.0	35.7	32.0	31.1	29.1	29.1	32.0	36.3	+4.3 s
3.5-4.0	26.6	26.3	26.0	27.3	29.3	31.0	29.7	31.8	30.6	29.0	26.1	28.7	29.2	31.6	+2.4
4.5–5.0	21.8	21.2	19.8	24.2	22.2	24.6	25.5	26.3	23.3	21.9	20.9	23.0	24.7	24.9	+0.2
5.5-6.0 (High)	21.2	18.9	18.9	21.8	23.1	23.1	22.9	23.2	21.6	18.6	20.7	21.3	23.6	22.9	-0.7
Race/Ethnicity (2-year average): b															
White	26.6	25.7	24.6	25.1	26.5	27.4	27.5	27.3	26.7	24.8	24.2	24.6	25.3	26.0	+0.7
African American	24.5	22.3	20.6	22.0	25.0	28.1	29.1	30.5	30.6	28.1	25.4	23.8	24.8	27.7	+2.9 ss
Hispanic	24.9	23.7	26.6	29.9	31.1	31.0	31.8	33.4	32.6	30.6	27.2	26.0	28.2	29.9	+1.7

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent

inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.

See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 12

MARIJUANA: Trends in Annual Prevalence of Use by Subgroups in Grade 12

						Pe	ercentage	e who use	ed in last	12 mont	hs					
Approximate weighted N =	<u>1975</u> 9.400	<u>1976</u> 15,400	<u>1977</u> 17,100	<u>1978</u> 17.800	<u>1979</u> 15.500	<u>1980</u> 15.900	<u>1981</u> 17.500	<u>1982</u> 17,700	<u>1983</u> 16,300	<u>1984</u> 15.900	<u>1985</u> 16.000	<u>1986</u> 15.200	<u>1987</u> 16,300	<u>1988</u> 16.300	<u>1989</u> 16.700	<u>1990</u> 15,200
Total	40.0	44.5	47.6	50.2	50.8	48.8	46.1	44.3	42.3	40.0	40.6	38.8	36.3	33.1	29.6	27.0
Gender:	10.0			00.2	00.0	10.0			.2.0		10.0	00.0	00.0		20.0	20
Male	45.8	50.6	53.2	55.9	55.8	53.4	49.2	47.2	45.7	43.2	43.1	41.2	38.6	35.8	32.8	29.4
Female	34.9	37.8	42.0	44.3	45.7	44.1	42.5	40.8	38.4	36.0	37.8	36.0	33.8	30.3	26.3	24.2
College Plans:																
None or under 4 years	_	46.8	50.7	51.6	53.1	51.7	49.7	48.2	46.0	44.2	44.0	42.7	40.6	36.2	34.4	31.1
Complete 4 years	_	40.7	43.4	47.1	47.3	45.9	42.6	40.6	38.3	35.9	37.5	36.1	34.0	31.3	27.3	24.7
Region:																
Northeast	47.4	52.7	53.5	59.2	60.6	55.5	53.2	50.9	49.3	49.6	48.2	44.6	41.2	36.7	31.3	32.2
Midwest	40.1	44.0	48.1	51.6	52.2	48.9	46.8	45.6	42.0	36.4	40.8	40.2	37.4	34.3	33.0	28.7
South	32.4	37.9	42.5	42.7	41.2	42.0	38.0	36.7	36.1	35.6	31.0	31.7	30.2	28.7	25.0	21.4
West	44.1	45.8	46.8	49.1	51.9	51.7	49.6	45.5	44.8	43.2	46.2	41.2	39.6	35.6	32.3	28.3
Population Density:																
Large MSA	50.4	51.3	53.2	57.2	58.7	56.3	51.4	50.4	47.0	44.2	44.4	42.6	39.3	34.3	27.8	27.7
Other MSA	40.3	44.2	48.9	50.8	51.9	49.8	46.4	44.8	44.0	41.0	40.7	39.4	36.9	34.7	30.3	28.3
Non-MSA	32.9	39.8	41.2	43.3	43.3	41.9	41.6	38.5	36.5	35.3	37.3	34.7	32.2	29.0	30.0	23.5
Parental Education: ^a																
1.0–2.0 (Low)	35.2	38.9	41.0	42.5	46.0	43.7	41.8	38.9	39.7	35.7	37.1	33.4	30.7	30.7	23.3	21.0
2.5–3.0	39.2	46.1	48.2	50.3	50.0	49.0	45.3	44.5	42.2	40.1	40.6	38.8	36.3	31.1	29.6	26.9
3.5–4.0	38.5	44.9	49.5	51.4	52.7	49.8	47.0	46.5	42.2	41.4	41.0	40.1	36.8	33.4	31.4	27.6
4.5–5.0	40.6	46.8	49.3	53.2	53.7	50.5	47.6	45.9	43.5	39.6	43.2	39.9	37.5	35.1	29.7	28.5
5.5–6.0 (High)	38.7	47.5	48.6	55.2	51.2	52.0	48.5	45.7	43.7	39.9	37.9	38.9	38.6	35.9	30.7	29.4
Race/Ethnicity (2-year average): ^b																
White	_	_	46.8	50.1	51.8	51.2	49.1	47.1	44.6	42.0	41.6	41.4	39.7	37.6	34.5	31.6
African American	_	_	37.9	39.6	38.4	37.5	36.1	35.5	37.4	36.4	33.4	30.6	25.7	21.2	17.8	13.7
Hispanic	_	_	45.8	43.4	42.1	44.1	41.2	38.8	38.3	38.8	37.8	36.7	33.3	29.6	25.0	21.6

TABLE 12 (cont.)

MARIJUANA: Trends in Annual Prevalence of Use by Subgroups in Grade 12

Percentage who used in last 12 months 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 Approximate weighted N = 15,00015,800 16,300 15,400 15,400 14,300 15,400 15,200 13,600 12,800 12,800 12,900 14,600 14,600 14,700 14,200 Total 23.9 21.9 26.0 30.7 34.7 35.8 38.5 37.5 37.8 36.5 37.0 36.2 34.9 34.3 33.6 31.5 Gender: Male 27.2 24.4 29.0 35.1 38.1 39.4 40.9 41.7 41.4 39.2 40.1 39.9 37.8 37.4 37.6 32.7 Female 20.1 18.9 22.4 26.4 30.6 31.6 35.5 33.0 34.1 33.4 33.6 32.4 31.6 30.8 29.6 29.7 College Plans: None or under 4 years 27.6 27.5 29.1 34.4 39.0 41.7 44.6 43.0 43.2 40.3 41.5 40.9 42.1 39.0 41.3 39.9 Complete 4 years 22.0 19.4 24.4 29.1 32.6 33.4 36.4 35.2 35.9 34.6 35.3 34.7 32.3 32.6 31.5 29.1 Region: Northeast 28.2 23.9 31.2 36.0 37.7 40.0 43.5 43.0 39.0 42.3 43.8 41.9 40.5 40.1 39.6 38.1 Midwest 26.1 22.7 26.0 30.5 36.9 36.9 36.5 33.8 38.0 34.5 36.9 37.5 36.5 34.0 33.7 32.0 South 18.1 18.1 23.2 28.7 31.8 32.8 35.0 36.5 36.0 30.7 32.4 32.6 29.4 30.1 31.2 29.4 West 26.8 26.1 26.4 30.0 33.8 35.6 42.6 39.0 39.8 43.1 38.4 35.2 36.2 35.6 32.0 28.8 Population Density: Large MSA 24.3 22.6 29.1 32.0 37.5 37.2 38.3 38.4 38.7 37.1 39.2 37.7 32.3 32.3 34.5 33.4 Other MSA 27.5 22.1 26.2 32.7 34.9 38.6 40.5 38.8 39.1 38.1 36.7 38.0 38.1 37.9 35.0 31.9 Non-MSA 17.5 21.0 23.1 25.8 31.0 29.6 34.9 33.5 34.7 32.9 35.1 30.8 32.2 29.7 29.7 28.1 Parental Education: a 1.0-2.0 (Low) 22.4 21.2 23.0 26.3 30.9 31.3 34.8 34.2 35.5 36.5 33.9 30.8 31.4 28.7 27.3 32.0 2.5-3.0 22.5 21.1 24.1 29.7 33.8 35.1 37.4 36.1 38.6 35.1 37.0 34.9 34.2 33.1 34.8 33.2 3.5-4.0 24.0 22.7 26.6 31.5 34.2 36.1 38.1 39.0 38.6 36.8 38.4 38.5 36.2 36.9 35.5 31.6 4.5-5.0 27.2 23.8 20.8 32.0 35.0 36.6 40.1 37.4 35.9 35.8 37.4 37.0 35.4 34.4 33.9 28.4 5.5-6.0 (High) 22.6 28.0 32.3 37.5 36.7 39.7 38.3 39.2 38.0 35.2 36.1 32.6 32.3 32.9 28.2 34.0 Race/Ethnicity (2-year average): b White 24.9 25.9 34.2 36.4 39.9 39.1 38.2 38.5 37.9 37.3 36.6 34.8 28.2 30.2 38.7 38.7 African American 11.4 14.2 20.7 26.8 30.2 30.4 30.0 30.4 30.0 29.0 27.3 26.3 25.5 26.3 27.7 11.5 Hispanic 23.6 24.7 23.5 25.7 29.7 32.3 36.4 37.2 40.5 37.6 28.7 37.8 34.6 31.1 29.5 29.6

TABLE 12 (cont.)

MARIJUANA: Trends in Annual Prevalence of Use by Subgroups in Grade 12

					Percer	ntage who	o used in	last 12 ı	months					
														2018-2019
Approximate weighted N =	2007 14 500	2008 14.000	2009 13.700	2010 14.400	2011 14.100	2012 13.700	2013 12.600	2014 12.400	2015 12.900	2016 11.800	2017 12.600	2018 13.300	<u>2019</u> 12.900	<u>change</u>
Total	31.7	32.4	32.8	34.8	36.4	36.4	36.4	35.1	34.9	35.6	37.1	35.9	35.7	-0.2
Gender:	31.7	52.4	32.0	34.0	30.4	50.4	30.4	55.1	54.5	55.0	37.1	55.5	33.7	-0.2
Male	35.0	35.1	36.7	38.3	40.0	40.8	39.8	37.0	36.3	36.9	37.4	36.8	35.2	-1.6
Female	28.3	29.5	28.7	30.7	32.1	31.3	32.4	33.0	33.5	34.0	36.2	34.1	35.5	+1.4
College Plans:	20.0	20.0	20	00	02	01.0	02	00.0	00.0	01.0	00.2	•	00.0	
None or under 4 years	38.6	41.0	38.0	42.7	41.5	41.5	42.1	40.8	38.7	37.8	39.6	39.5	39.8	+0.3
Complete 4 years	29.8	30.2	31.1	32.5	34.7	34.8	34.8	33.1	33.7	34.5	36.1	34.5	34.0	-0.5
Region:														
Northeast	39.2	36.6	37.8	41.3	40.7	38.1	40.9	39.6	41.0	39.0	41.5	41.1	37.6	-3.5
Midwest	32.6	31.1	32.5	32.5	34.7	32.0	31.6	34.6	32.7	33.4	38.8	38.2	34.4	-3.7
South	29.0	31.0	30.6	32.4	33.1	33.9	34.4	33.6	31.2	32.8	32.7	30.7	33.9	+3.2
West	29.1	32.8	32.1	35.8	40.0	43.0	40.9	34.3	38.9	40.1	39.6	38.9	39.8	+0.9
Population Density:														
Large MSA	33.9	34.8	37.2	36.8	38.7	40.4	38.9	35.8	38.5	38.1	40.2	37.0	36.4	-0.7
Other MSA	31.6	31.2	32.0	36.1	37.4	36.8	37.9	36.9	34.4	35.7	36.0	35.3	35.8	+0.5
Non-MSA	28.8	32.2	28.7	28.8	30.4	29.2	29.0	29.7	30.4	31.7	34.2	35.5	34.4	-1.1
Parental Education: a														
1.0-2.0 (Low)	31.1	30.5	28.9	32.8	35.7	42.0	38.4	37.3	35.3	35.0	34.6	33.1	34.5	+1.3
2.5–3.0	33.8	32.8	33.6	35.4	36.8	37.6	39.0	37.5	37.8	36.7	39.7	38.9	37.6	-1.3
3.5–4.0	30.6	32.0	34.5	36.8	38.1	37.5	38.3	35.9	36.8	37.1	39.0	38.6	39.4	+0.7
4.5–5.0	30.4	32.7	31.0	34.5	35.0	35.0	33.3	32.9	32.5	34.8	35.6	34.9	30.8	-4.0 s
5.5-6.0 (High)	32.8	32.8	33.6	29.9	34.5	32.2	33.8	32.9	32.1	32.6	34.1	32.8	35.8	+3.1
Race/Ethnicity (2-year average): b														
White	33.4	33.9	34.3	34.8	36.3	36.6	35.6	35.1	35.1	35.3	36.5	36.9	35.6	-1.3
African American	27.0	26.8	28.6	30.8	32.4	33.2	35.0	35.9	32.8	32.4	35.5	36.3	35.7	-0.6
Hispanic	27.2	27.3	28.8	31.6	34.4	37.3	39.2	37.1	35.6	36.9	36.8	34.2	33.4	-0.8

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 13

MARIJUANA: Trends in 30-Day Prevalence of Use by Subgroups in Grade 8

						Perce	ntage w	ho used	in last 30) days					
	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	<u>2003</u>	2004	<u>2005</u>
Approximate weighted N =		18,600	18,300	17,300	17,500	17,800	18,600	18,100	-,	-,	16,200	15,100	16,500	17,000	16,800
Total	3.2	3.7	5.1	7.8	9.1	11.3	10.2	9.7	9.7	9.1	9.2	8.3	7.5	6.4	6.6
Gender:															
Male	3.8	3.8	6.1	9.5	9.8	12.1	11.4	10.3	10.5	10.2	11.0	9.5	8.5	6.3	7.6
Female	2.6	3.5	4.1	6.0	8.2	10.2	8.9	8.8	8.8	7.8	7.3	7.1	6.4	6.3	5.7
College Plans:															
None or under 4 years	9.8	11.5	13.2	19.7	20.6	24.5	23.8	24.6	25.9	23.4	23.9	23.2	21.7	19.0	19.7
Complete 4 years	2.1	2.5	3.9	6.1	7.5	9.1	8.4	7.8	7.7	7.4	7.5	6.8	6.0	4.9	5.2
Region:															
Northeast	2.4	3.1	3.3	7.7	7.2	9.2	9.0	6.5	7.6	7.5	8.7	6.3	5.9	5.3	5.6
Midwest	3.3	3.0	3.7	7.3	10.1	11.8	10.4	10.8	11.7	9.5	7.9	8.0	7.3	5.6	6.6
South	3.3	3.7	5.0	6.6	8.5	10.3	9.7	10.2	10.1	8.9	10.0	9.4	8.7	7.0	7.6
West	3.9	5.6	9.2	10.9	10.6	13.9	11.9	10.5	8.4	10.4	9.8	8.6	7.0	7.0	5.9
Population Density:															
Large MSA	2.8	3.3	4.1	7.6	9.1	11.3	8.7	9.3	8.6	7.5	7.1	6.7	6.5	6.6	6.3
Other MSA	3.7	4.4	6.5	9.8	9.9	12.0	10.7	9.8	9.4	9.1	10.5	8.8	7.5	6.4	7.4
Non-MSA	2.8	3.1	3.2	4.3	7.7	9.7	10.8	10.2	11.6	11.0	9.1	9.4	9.0	6.1	5.7
Parental Education: a															
1.0-2.0 (Low)	7.4	7.2	7.2	12.4	13.5	12.5	15.5	15.7	17.5	18.8	16.4	13.5	13.7	11.3	10.6
2.5-3.0	3.9	3.9	5.5	9.0	10.4	13.4	11.6	11.4	12.1	11.9	11.9	11.3	10.0	8.3	9.6
3.5-4.0	3.1	3.5	5.7	7.8	9.9	12.0	11.0	10.6	9.1	8.8	9.6	8.7	7.6	7.0	7.3
4.5-5.0	1.7	2.9	3.6	6.0	7.1	9.3	9.0	7.1	6.7	5.3	6.5	6.2	5.0	4.4	4.2
5.5-6.0 (High)	2.3	2.4	4.2	5.8	7.4	9.2	6.7	7.3	7.5	5.8	5.3	5.4	4.8	3.6	3.3
Race (2-year average): b															
White	_	3.3	4.1	5.6	7.8	10.0	10.6	9.5	8.7	8.4	8.4	8.3	7.4	6.2	5.8
African American	_	2.0	2.9	5.0	6.6	8.0	9.0	9.1	9.7	9.3	8.1	7.4	7.3	7.7	8.2
Hispanic	_	6.4	8.3	12.1	12.9	12.5	13.1	13.5	14.3	12.7	12.6	12.6	10.3	9.3	8.3

TABLE 13 (cont.)

MARIJUANA: Trends in 30-Day Prevalence of Use by Subgroups in Grade 8

					F	ercentaç	ge who u	sed in la	st 30 da	ys					
	<u>2006</u>	<u>2007</u>	<u>2008</u>	2009	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	2018-2019 <u>change</u>
Approximate weighted N =	16,500	16,100		15,000	15,300	16,000	1	14,600	14,600	14,400	16,900	15,300	14,000	13,600	
Total	6.5	5.7	5.8	6.5	8.0	7.2	6.5	7.0	6.5	6.5	5.4	5.5	5.6	6.6	+1.0
Gender:															
Male	6.7	6.2	6.6	7.5	9.2	8.5	7.0	6.7	6.9	6.6	5.7	5.3	5.6	5.9	+0.2
Female	6.0	4.9	4.8	5.3	6.8	5.7	6.0	7.2	5.9	6.2	5.0	5.5	5.3	7.4	+2.1 ss
College Plans:															
None or under 4 years	20.1	18.3	19.1	18.9	21.4	19.4	20.0	19.7	17.6	16.4	15.4	13.1	14.2	13.5	-0.7
Complete 4 years	5.1	4.5	4.5	5.4	6.8	6.2	5.4	6.2	5.6	5.6	4.5	4.6	4.3	5.7	+1.3 s
Region:															
Northeast	5.2	3.4	4.2	6.6	7.0	4.3	4.7	5.4	6.2	5.3	3.2	3.8	4.0	4.3	+0.3
Midwest	5.6	5.3	6.8	6.2	6.8	5.7	4.4	5.8	6.0	6.6	5.8	4.3	4.5	6.4	+1.9
South	7.9	6.5	6.0	6.8	8.8	7.7	7.5	8.5	6.1	6.7	5.8	5.3	5.3	6.5	+1.2
West	5.9	5.9	5.6	6.0	8.5	10.2	8.2	7.0	7.7	6.8	6.0	7.9	8.4	8.7	+0.3
Population Density:															
Large MSA	5.3	4.3	4.9	5.5	7.7	6.8	5.8	7.2	7.5	7.1	4.9	4.4	5.8	5.5	-0.3
Other MSA	7.4	6.1	6.3	7.2	8.3	8.3	7.0	6.7	6.0	6.5	5.1	6.4	5.6	7.3	+1.7
Non-MSA	6.3	6.7	5.8	6.1	7.4	5.5	6.5	7.5	6.1	5.7	7.1	4.9	5.3	6.9	+1.6
Parental Education: a															
1.0-2.0 (Low)	12.0	10.4	11.1	10.3	12.3	12.2	11.4	13.6	12.4	11.9	8.9	9.5	8.6	11.3	+2.6
2.5–3.0	8.9	7.3	8.4	8.6	10.5	10.1	9.9	10.9	8.8	8.5	7.6	7.6	8.5	11.7	+3.2
3.5-4.0	7.0	6.7	5.6	7.1	8.8	7.7	7.2	8.1	7.1	6.7	5.9	6.1	6.3	6.9	+0.6
4.5-5.0	3.7	3.6	3.8	5.1	6.1	5.5	4.1	4.3	4.1	3.6	4.0	3.2	3.5	3.9	+0.4
5.5-6.0 (High)	3.4	2.3	3.6	4.0	4.3	3.4	3.1	3.4	4.1	4.1	2.6	3.5	2.4	3.6	+1.2
Race (2-year average): b															
White	5.8	5.4	5.0	5.4	6.5	6.5	5.3	4.7	4.7	4.6	4.1	3.9	4.0	4.2	+0.2
African American	7.5	6.4	6.1	6.7	7.7	8.1	7.6	8.2	7.7	7.1	7.2	6.5	5.5	6.1	+0.6
Hispanic	8.1	7.6	7.1	7.3	8.8	10.1	10.4	10.0	8.9	8.3	7.3	6.5	6.8	8.3	+1.5 s

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence-of-use estimates for the two most recent classes is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 14

MARIJUANA: Trends in 30-Day Prevalence of Use by Subgroups in Grade 10

						Perce	entage w	ho used	in last 30) days					
	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>2001</u>	2002	<u>2003</u>	<u>2004</u>	<u>2005</u>
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200
Total	8.7	8.1	10.9	15.8	17.2	20.4	20.5	18.7	19.4	19.7	19.8	17.8	17.0	15.9	15.2
Gender:															
Male	10.1	9.0	13.1	18.6	19.1	22.3	23.0	20.3	21.8	23.3	22.7	19.3	19.0	17.4	16.7
Female	7.3	7.1	8.6	12.8	15.0	18.6	17.9	17.2	17.0	16.2	16.8	16.4	15.0	14.2	13.4
College Plans:															
None or under 4 years	15.0	14.3	20.4	25.8	27.9	35.2	34.7	32.6	33.8	33.7	35.2	31.5	31.3	27.5	27.0
Complete 4 years	7.4	6.7	8.8	13.6	15.2	17.9	18.1	16.1	17.0	17.6	17.3	15.6	14.7	14.2	13.4
Region:															
Northeast	10.1	7.7	13.4	16.9	17.1	21.9	21.6	22.7	22.0	19.4	21.3	19.4	18.3	16.5	17.6
Midwest	8.3	7.6	10.5	15.3	16.8	20.7	19.8	16.6	19.6	19.8	19.1	16.7	14.2	14.8	14.3
South	7.2	6.6	9.1	14.8	17.2	20.3	20.1	18.7	18.1	18.2	18.0	16.6	18.5	17.1	15.7
West	10.3	11.7	12.1	17.3	17.6	18.9	21.1	17.2	18.8	22.8	23.0	20.2	17.0	14.7	12.9
Population Density:															
Large MSA	9.3	8.0	11.2	17.2	16.9	18.4	19.8	17.4	19.0	20.6	18.5	16.8	15.4	13.8	14.6
Other MSA	9.1	8.6	11.2	17.5	18.5	22.2	21.7	19.7	20.3	19.7	21.0	19.1	17.3	16.7	15.6
Non-MSA	7.6	7.2	10.1	11.4	14.7	19.3	19.2	18.4	18.1	18.8	18.7	16.5	18.8	16.9	15.0
Parental Education: a															
1.0-2.0 (Low)	11.4	11.2	13.3	15.8	20.6	21.4	20.9	20.4	25.0	23.4	20.6	21.6	21.6	19.5	15.8
2.5-3.0	9.5	8.0	11.3	16.3	19.3	22.9	21.7	22.1	22.0	21.0	22.8	20.4	20.3	17.9	18.1
3.5-4.0	8.1	8.3	10.9	15.8	18.0	22.1	22.5	18.3	19.3	21.2	20.8	18.1	17.8	17.3	15.9
4.5-5.0	7.9	7.4	10.0	15.0	15.6	18.1	19.2	16.4	16.6	17.9	17.5	15.2	13.4	13.2	12.7
5.5-6.0 (High)	8.9	7.5	9.4	15.5	13.3	17.4	17.1	16.2	18.2	16.7	17.2	15.5	13.8	12.7	13.5
Race (2-year average): b															
White	_	9.0	9.8	13.4	16.8	19.3	21.2	20.3	19.8	20.2	20.2	19.8	18.2	16.5	15.7
African American	_	3.6	4.9	9.8	13.8	15.9	16.5	15.3	14.6	15.8	16.7	15.2	15.1	16.3	15.3
Hispanic	_	10.4	12.4	15.6	17.7	19.1	21.3	21.4	20.6	20.5	20.5	18.2	17.0	17.7	16.0

TABLE 14 (cont.)

MARIJUANA: Trends in 30-Day Prevalence of Use by Subgroups in Grade 10

					P	ercenta	ge who u	sed in la	st 30 day	/S					
	<u>2006</u>	2007	2008	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	2018-2019 <u>change</u>
Approximate weighted N =	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	15,600	14,700	13,500	14,300	14,000	
Total	14.2	14.2	13.8	15.9	16.7	17.6	17.0	18.0	16.6	14.8	14.0	15.7	16.7	18.4	+1.7
Gender:															
Male	15.7	15.8	15.2	18.7	20.1	20.8	19.8	20.6	17.4	15.6	14.2	15.3	17.3	18.1	+0.9
Female	12.6	12.5	12.3	13.2	13.3	14.5	14.4	15.3	15.7	13.7	13.7	15.8	15.8	18.3	+2.5
College Plans:															
None or under 4 years	28.1	27.6	28.4	28.0	34.0	34.2	30.3	31.0	29.3	27.9	24.8	24.7	28.4	29.1	+0.8
Complete 4 years	12.4	12.3	11.9	14.5	14.6	15.7	15.7	16.5	15.1	13.4	12.8	14.4	14.8	16.2	+1.4
Region:															
Northeast	14.6	14.3	16.6	15.3	15.5	19.0	19.1	17.3	17.5	14.7	14.3	17.2	20.4	19.7	-0.7
Midwest	13.6	14.7	12.5	13.3	15.4	16.4	14.4	16.9	14.4	12.6	14.0	15.6	14.9	17.0	+2.1
South	14.6	12.8	14.0	17.3	16.7	16.7	17.2	19.0	17.0	15.3	14.3	13.8	15.4	17.8	+2.3
West	14.1	15.3	12.9	17.2	19.0	19.2	18.0	18.2	17.3	16.4	13.4	17.7	17.5	20.0	+2.5
Population Density:															
Large MSA	14.2	14.2	13.9	16.1	16.0	17.0	17.3	17.2	16.7	14.8	14.5	17.4	18.1	18.3	+0.2
Other MSA	13.6	13.5	14.4	16.4	18.0	18.9	17.2	19.1	17.1	15.4	13.7	15.4	17.6	19.8	+2.3
Non-MSA	15.7	15.5	12.4	14.8	15.1	15.8	16.3	16.3	14.9	13.4	14.2	13.9	12.4	14.6	+2.2
Parental Education: a															
1.0-2.0 (Low)	18.4	17.1	18.1	22.2	21.0	23.6	21.0	22.0	18.6	21.0	16.6	18.5	19.8	21.5	+1.6
2.5–3.0	17.1	17.4	15.7	18.1	20.4	21.2	21.3	21.4	19.9	18.4	15.8	18.1	19.6	24.1	+4.6 s
3.5-4.0	14.9	15.1	15.4	16.0	17.7	18.9	17.5	19.7	18.5	17.3	15.9	17.7	18.2	20.5	+2.3
4.5–5.0	12.0	11.2	11.2	14.4	13.7	14.8	15.4	15.5	13.4	12.1	12.0	13.5	14.4	14.5	+0.2
5.5-6.0 (High)	11.8	11.3	10.1	13.1	12.9	13.2	14.0	12.8	13.7	9.8	12.1	13.3	13.0	13.8	+0.8
Race (2-year average): b															
White	15.2	14.7	14.2	14.6	15.7	16.4	16.7	16.5	16.2	14.6	14.1	15.1	15.3	15.9	+0.6
African American	13.8	12.6	11.7	13.7	15.5	18.0	18.8	19.1	19.0	17.4	15.8	14.8	16.1	18.7	+2.5 ss
Hispanic	14.0	13.0	15.3	17.4	18.2	18.2	18.5	20.0	19.4	18.1	15.5	14.9	16.9	18.2	+1.3

Source. The Monitoring the Future Study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence-of-use estimates for the two most recent classes is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 15

MARIJUANA: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

Percentage who used in last 30 days 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 Approximate weighted N = 9,400 15,400 15,500 15,900 17,500 17,700 16,300 15,900 16,000 15,200 16,300 16,300 16,700 15,200 17,100 17,800 Total 32.2 35.4 37.1 36.5 33.7 31.6 28.5 27.0 25.2 25.7 23.4 21.0 18.0 16.7 14.0 Gender: Male 32.3 37.7 40.7 42.6 41.4 37.8 35.3 31.4 31.0 28.2 28.7 26.8 23.1 20.7 19.5 16.1 31.3 24.9 21.1 Female 22.5 26.0 30.0 31.3 29.1 27.3 22.2 22.4 20.0 18.6 15.2 13.8 11.5 College Plans: None or under 4 years 34.5 38.7 39.2 39.6 37.7 36.1 32.9 30.7 29.2 29.0 28.3 25.1 20.4 21.0 17.6 Complete 4 years 28.4 31.0 33.2 32.2 29.4 27.4 23.9 22.9 20.9 22.7 20.0 18.5 16.4 14.6 11.9 Region: Northeast 32.2 38.6 40.4 46.7 44.7 39.3 38.2 33.3 32.0 33.3 32.0 28.5 25.3 20.2 18.6 17.6 Midwest 27.6 31.4 36.1 37.8 38.0 34.0 33.0 30.0 27.2 22.1 26.1 24.0 21.1 18.6 19.2 13.7 South 21.2 27.7 31.3 30.6 29.0 28.4 24.7 22.4 22.9 22.4 18.0 19.2 17.3 15.8 14.0 11.5 West 30.8 32.7 33.6 34.3 35.9 35.2 32.0 29.2 27.1 25.9 29.7 23.1 22.3 18.9 16.8 14.7 Population Density: Large MSA 36.2 37.9 40.4 42.2 39.6 28.5 28.5 23.1 14.1 44.0 36.3 34.3 31.7 26.7 19.4 15.2 Other MSA 26.4 37.5 25.1 25.9 17.5 32.5 36.2 37.1 34.5 31.4 28.3 28.1 22.9 21.3 19.3 14.6 Non-MSA 22.2 27.5 30.2 31.4 30.9 28.3 28.0 23.8 21.8 22.5 23.0 21.5 18.2 14.3 16.7 12.6 Parental Education: a 1.0-2.0 (Low) 22.3 29.0 30.4 30.7 33.2 29.9 29.7 24.9 26.2 23.8 23.4 21.0 19.9 15.6 13.9 11.4 2.5-3.0 26.5 33.7 36.7 37.7 35.8 34.6 31.5 28.4 27.3 25.4 25.9 24.1 20.9 16.8 16.3 14.3 3.5-4.0 25.1 32.3 36.9 37.7 37.8 33.6 31.4 29.3 26.1 25.8 26.5 24.1 21.1 17.7 17.9 13.5 4.5-5.0 27.3 32.6 34.3 39.0 37.3 33.7 31.9 30.1 26.9 23.3 27.1 23.1 21.1 19.3 17.1 15.0 5.5-6.0 (High) 32.1 36.0 39.7 37.6 36.2 31.9 27.7 25.5 23.4 20.6 21.7 21.2 20.6 16.2 15.0 Race (2-year average): b White 34.0 36.9 37.6 35.8 33.3 30.8 27.9 26.0 25.9 25.5 23.4 21.1 19.2 17.1 28.2 27.0 24.8 25.8 24.8 22.3 14.5 9.6 7.5 African American 29.2 29.7 25.7 19.4 11.0

33.3

30.8

29.0

29.5

27.7

26.2

Hispanic

Table continued on next page.

25.3

23.8

21.9

20.2

21.3

16.1

11.7

12.4

TABLE 15 (cont.)

MARIJUANA: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

						Perce	entage w	ho used	in last 30	days					
	<u>1991</u>	1992	<u>1993</u>	1994	<u>1995</u>	<u>1996</u>	<u>1997</u>	1998	1999	2000	2001	2002	2003	2004	2005
Approximate weighted N =	15,000	15,800	16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700
Total	13.8	11.9	15.5	19.0	21.2	21.9	23.7	22.8	23.1	21.6	22.4	21.5	21.2	19.9	19.8
Gender:															
Male	16.1	13.4	18.2	23.0	24.6	25.1	26.4	26.5	26.3	24.7	25.6	25.3	24.7	23.0	23.6
Female	11.2	10.2	12.5	15.1	17.2	18.3	20.3	18.8	19.7	18.3	19.1	17.4	17.3	16.6	15.8
College Plans:															
None or under 4 years	15.8	15.0	17.9	21.6	23.7	26.4	29.3	28.3	26.6	26.0	27.5	27.0	26.9	24.1	24.9
Complete 4 years	12.5	10.4	14.2	17.7	19.6	20.0	21.5	20.5	21.8	19.6	20.4	19.6	18.9	18.3	18.1
Region:															
Northeast	17.6	14.4	19.5	22.7	23.8	25.9	27.0	27.2	24.2	26.0	28.4	25.6	26.5	25.1	25.0
Midwest	14.9	12.2	15.9	19.3	22.6	23.3	21.8	21.1	23.2	19.3	22.7	22.4	21.6	18.1	19.2
South	9.7	9.4	13.1	17.3	19.4	19.5	20.9	21.3	22.1	17.4	18.1	20.0	17.8	17.7	18.2
West	15.7	14.0	15.6	18.6	19.8	19.7	27.8	23.9	24.2	27.2	23.5	19.3	21.1	20.9	18.0
Population Density:															
Large MSA	14.3	12.9	18.0	20.7	23.6	22.9	21.7	23.4	23.2	22.6	23.4	22.9	19.6	19.1	20.4
Other MSA	16.3	11.5	15.3	19.8	21.5	23.7	25.6	23.9	24.4	22.6	22.5	22.7	23.7	22.3	20.8
Non-MSA	9.0	12.0	13.8	15.7	17.8	17.6	22.0	19.8	21.0	18.6	21.2	17.4	18.7	16.4	16.9
Parental Education: a															
1.0–2.0 (Low)	11.7	9.7	12.4	14.0	18.1	17.4	19.9	19.7	22.2	21.5	20.9	17.8	20.0	16.6	16.3
2.5–3.0	12.9	11.9	14.0	18.5	19.6	20.6	23.6	22.1	23.6	20.9	21.7	21.5	20.6	19.3	20.2
3.5–4.0	13.8	12.2	16.9	19.3	21.5	22.9	23.6	23.9	23.0	21.5	23.6	23.7	22.1	21.2	20.2
4.5–5.0	13.7	12.1	15.9	20.4	21.3	22.1	24.7	22.6	22.4	21.4	22.3	20.6	21.0	19.8	20.4
5.5-6.0 (High)	17.6	11.6	16.1	20.3	23.1	22.6	22.9	22.9	23.4	21.3	20.5	19.6	18.3	19.8	18.9
Race (2-year average): b															
White	15.3	14.1	14.9	18.4	20.8	22.0	23.6	24.4	23.8	22.7	22.9	23.3	22.8	22.1	21.6
African American	5.9	6.0	8.1	13.1	16.8	18.3	18.5	18.3	19.3	19.0	17.0	16.5	16.3	15.2	14.6
Hispanic	12.9	12.7	12.5	14.9	17.9	19.1	21.2	21.6	22.0	24.6	22.1	20.0	17.9	16.6	16.6

TABLE 15 (cont.)

MARIJUANA: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

Percentage who used in last 30 days

															2018-2019
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	change
Approximate weighted N =	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	18.3	18.8	19.4	20.6	21.4	22.6	22.9	22.7	21.2	21.3	22.5	22.9	22.2	22.3	+0.1
Gender:															
Male	19.7	22.3	22.2	24.3	25.2	26.4	26.5	26.4	24.3	23.1	25.0	24.1	24.0	23.0	-1.1
Female	16.4	15.0	16.2	16.8	16.9	18.4	18.8	18.7	17.9	19.2	19.7	21.5	19.2	21.1	+1.9
College Plans:															
None or under 4 years	24.8	25.9	24.9	24.6	28.1	27.5	27.0	28.0	26.8	24.6	25.4	26.6	26.6	27.0	+0.4
Complete 4 years	16.4	16.8	17.7	19.2	19.3	21.1	21.4	21.3	19.5	20.0	21.2	21.6	20.2	20.3	0.0
Region:															
Northeast	24.8	23.7	23.1	24.6	26.1	26.4	24.0	25.8	25.6	26.2	25.8	26.7	27.4	22.7	-4.8 s
Midwest	17.4	18.6	17.5	20.2	20.0	21.7	19.5	20.0	21.0	19.6	20.4	22.7	23.2	20.7	-2.5
South	17.1	17.0	19.2	19.3	19.6	20.9	22.3	21.0	19.8	18.5	20.5	19.8	17.9	20.6	+2.7
West	16.0	17.7	19.2	19.7	21.7	23.4	26.6	25.8	20.0	23.8	25.6	25.6	24.7	28.1	+3.4
Population Density:															
Large MSA	19.6	20.9	21.8	24.0	22.8	23.3	25.9	25.7	22.0	24.5	24.4	25.2	24.0	22.3	-1.7
Other MSA	18.4	18.2	18.6	20.3	22.7	24.3	23.5	23.5	22.4	20.4	22.6	21.4	21.2	22.5	+1.4
Non-MSA	16.3	16.7	18.5	16.8	15.9	17.5	16.7	16.4	17.1	17.9	19.3	22.4	21.3	21.7	+0.3
Parental Education: a															
1.0-2.0 (Low)	17.9	18.2	18.5	16.9	18.6	20.5	26.7	22.6	23.0	21.9	21.4	22.2	19.8	22.6	+2.8
2.5–3.0	19.6	20.1	18.7	22.0	21.2	23.0	23.2	25.2	23.0	22.9	24.4	24.5	23.8	24.4	+0.7
3.5-4.0	18.6	18.5	18.8	21.7	22.8	23.5	23.2	23.5	21.4	21.4	22.8	24.8	23.5	23.8	+0.3
4.5–5.0	16.3	18.3	19.3	19.1	20.8	21.0	22.3	20.8	19.7	20.3	21.6	21.1	20.8	18.5	-2.3
5.5-6.0 (High)	18.2	17.9	21.0	20.3	18.4	23.1	20.3	21.3	19.8	18.6	18.6	19.1	20.8	20.5	-0.3
Race (2-year average): b															
White	20.5	19.5	20.1	20.8	21.4	22.2	22.6	21.8	21.3	21.0	21.1	22.1	22.3	21.3	-0.9
African American	15.9	16.0	16.3	18.6	20.1	21.0	22.3	24.0	23.0	20.8	22.2	23.9	24.0	23.8	-0.2
Hispanic	16.0	15.3	15.3	16.7	18.5	19.6	22.0	24.3	22.6	20.9	22.5	22.9	20.5	20.4	-0.1

Source. The Monitoring the Future Study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence-of-use estimates for the two most recent classes is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 16

MARIJUANA: Trends in 30-Day Prevalence of <u>Daily</u> Use by Subgroups in <u>Grade 8</u>

Percentage who used daily in last 30 days

						. 0.00	ago milo	4004 40	,	. oo aaje					
Approximate weighted N =	<u>1991</u>	<u>1992</u> 18,600	1993 18.300	<u>1994</u> 17.300	<u>1995</u> 17.500	<u>1996</u> 17.800	<u>1997</u> 18.600	<u>1998</u> 18.100	<u>1999</u> 16.700	2000 16.700	2001 16.200	2002 15.100	2003 16.500	2004 17.000	2005 16.800
Total	0.2	0.2	0.4	0.7	0.8	1.5	1.1	1.1	1.4	1.3	1.3	1.2	1.0	0.8	1.0
Gender	0.2	0.2	0.4	0.1	0.0	1.0				1.0	1.0	1.2	1.0	0.0	1.0
Male	0.3	0.3	0.5	1.0	1.1	2.0	1.4	1.4	1.9	2.0	2.0	1.7	1.3	0.9	1.4
Female	0.1	0.1	0.3	0.5	0.4	0.9	0.6	0.7	0.8	0.7	0.6	0.7	0.6	0.6	0.6
College Plans:															
None or under 4 years	0.9	1.1	1.2	2.1	3.1	4.4	4.2	4.2	5.6	5.1	5.1	5.1	3.6	3.3	3.9
Complete 4 years	0.1	0.1	0.3	0.5	0.5	1.0	0.6	0.7	0.8	0.9	0.8	0.8	0.7	0.4	0.7
Region:															
Northeast	0.1	0.1	0.3	0.8	0.5	0.9	0.9	0.8	1.0	0.8	1.4	1.2	0.8	0.5	0.7
Midwest	0.1	0.2	0.2	0.7	0.8	1.6	1.2	1.1	1.7	1.4	1.3	1.0	1.0	0.6	1.0
South	0.3	0.2	0.4	0.6	0.8	1.4	0.9	1.4	1.5	1.4	1.5	1.6	1.1	0.9	1.2
West	0.2	0.3	0.7	1.1	1.2	2.1	1.3	0.9	1.0	1.6	0.9	1.0	0.9	0.9	0.8
Population Density:															
Large MSA	0.2	0.1	0.3	0.7	1.1	1.7	8.0	8.0	1.1	1.0	8.0	1.0	8.0	0.7	0.9
Other MSA	0.2	0.2	0.5	0.9	0.9	1.6	1.2	1.1	1.5	1.3	1.6	1.3	1.0	8.0	1.2
Non-MSA	0.2	0.3	0.2	0.5	0.5	1.0	1.1	1.4	1.3	1.8	1.4	1.4	1.2	8.0	0.7
Parental Education: a															
1.0-2.0 (Low)	0.5	0.5	0.7	8.0	2.0	1.6	2.2	2.2	3.2	4.6	2.0	2.3	1.9	1.6	1.4
2.5-3.0	0.3	0.3	0.4	0.8	0.9	2.0	0.9	1.5	1.3	1.6	1.9	1.7	1.4	8.0	1.2
3.5-4.0	0.2	0.1	0.5	1.1	0.7	1.4	1.3	1.1	1.5	0.9	1.3	1.4	1.0	0.7	1.2
4.5-5.0	0.1	0.1	0.1	0.5	0.6	0.8	8.0	0.5	8.0	0.5	8.0	0.7	0.7	0.5	0.5
5.5-6.0 (High)	*	0.1	0.3	0.5	0.6	1.2	0.6	0.6	0.7	8.0	0.5	0.4	0.6	0.3	0.2
Race (2-year average): b															
White	_	0.2	0.2	0.4	0.7	1.0	1.1	0.9	1.0	1.2	1.3	1.3	1.0	0.7	0.7
African American	_	0.1	0.2	0.4	0.7	1.2	1.3	0.9	1.0	1.0	1.1	1.2	1.2	1.2	1.0
Hispanic	_	0.3	0.6	1.1	1.2	1.6	1.8	1.6	2.0	1.9	1.6	1.5	1.2	1.1	1.3

TABLE 16 (cont.)

MARIJUANA: Trends in 30-Day Prevalence of <u>Daily</u> Use by Subgroups in <u>Grade 8</u>

					Per	centage	who use	d daily in	last 30	days					
	2006	2007	2008	2009	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	2018-2019 <u>change</u>
Approximate weighted N =		16,100	15,700	15,000	15,300	16,000	-,	14,600	14,600	14,400	16,900	15,300	14,000	13,600	
Total	1.0	8.0	0.9	1.0	1.2	1.3	1.1	1.1	1.0	1.1	0.7	8.0	0.7	1.3	+0.6 s
Gender															
Male	1.3	1.2	1.2	1.4	1.8	1.8	1.6	1.3	1.2	1.3	0.9	0.9	8.0	1.4	+0.5
Female	0.7	0.5	0.6	0.5	0.7	0.7	0.5	0.9	0.7	0.9	0.5	0.6	0.5	1.2	+0.7 ss
College Plans:															
None or under 4 years	5.3	3.2	4.7	4.7	5.2	5.2	5.6	4.9	2.9	3.4	3.0	2.7	2.2	3.7	+1.5
Complete 4 years	0.6	0.6	0.6	0.6	0.9	1.0	0.7	8.0	8.0	8.0	0.5	0.5	0.4	0.9	+0.5 ss
Region:															
Northeast	0.7	0.5	0.3	0.9	0.9	0.5	8.0	0.6	0.9	8.0	0.4	8.0	0.5	0.7	+0.2
Midwest	8.0	0.9	1.3	1.0	1.3	1.2	0.5	0.9	1.3	1.1	0.7	0.5	0.5	1.1	+0.6 s
South	1.4	0.9	1.0	1.0	1.4	1.4	1.2	1.3	8.0	1.2	8.0	0.7	0.6	0.6	+0.1
West	0.9	0.7	0.8	0.9	1.1	1.9	1.6	1.5	1.1	1.1	0.9	1.0	1.3	2.8	+1.5
Population Density:															
Large MSA	8.0	0.5	0.9	0.6	0.8	1.1	0.9	1.0	1.3	1.5	0.4	0.5	0.6	0.7	+0.1
Other MSA	1.3	8.0	8.0	1.2	1.3	1.5	1.2	1.2	0.8	0.9	0.8	0.9	0.6	1.3	+0.7
Non-MSA	0.9	1.4	1.0	1.0	1.7	1.0	1.2	1.3	0.9	0.9	1.1	0.7	1.0	2.2	+1.2
Parental Education: a															
1.0-2.0 (Low)	2.6	1.3	2.6	1.9	2.5	2.2	1.9	2.3	2.0	2.5	1.3	1.2	1.4	1.4	0.0
2.5-3.0	1.3	0.9	1.4	1.4	2.1	2.3	1.6	1.5	0.9	1.0	0.9	1.1	0.7	2.9	+2.2 s
3.5-4.0	0.9	1.0	0.7	8.0	1.0	1.3	1.0	1.0	1.1	0.8	0.9	8.0	0.6	1.1	+0.5 s
4.5-5.0	0.6	0.4	0.4	0.6	0.7	0.8	0.3	0.8	0.6	0.6	0.4	0.5	0.4	0.3	0.0
5.5-6.0 (High)	0.3	0.5	0.5	0.6	0.3	0.5	0.6	0.5	0.7	0.7	0.4	0.4	0.3	1.0	+0.8 s
Race (2-year average): b											_				
White	1.0	0.9	0.7	0.8	1.0	1.1	1.0	0.8	0.7	0.6	0.6	0.5	0.4	0.5	+0.1
African American	1.0	1.0	1.0	1.0	1.1	1.2	1.0	1.0	1.1	1.2	1.2	1.2	1.1	0.7	-0.4

Source. The Monitoring the Future Study, the University of Michigan.

1.1

Hispanic

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. '*' indicates less than .05 percent but greater than 0 percent. Any apparent inconsistency between the change estimate and the prevalence-of-use estimates

1.4

1.3

for the two most recent classes is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

0.7 1.0

1.9 2.1 1.7 1.4 1.3

0.9

8.0

0.9

1.4

+0.5

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 17

MARIJUANA: Trends in 30-Day Prevalence of <u>Daily</u> Use by Subgroups in <u>Grade 10</u>

						Percent	age who	used da	ily in las	t 30 days	3				
	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	1997	1998	<u>1999</u>	2000	2001	2002	2003	2004	2005
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200
Total	8.0	8.0	1.0	2.2	2.8	3.5	3.7	3.6	3.8	3.8	4.5	3.9	3.6	3.2	3.1
Gender:															
Male	1.1	1.1	1.6	3.1	3.7	4.7	5.2	4.8	5.2	5.3	6.4	5.1	5.1	4.1	4.1
Female	0.5	0.4	0.4	1.2	1.7	2.3	2.1	2.4	2.4	2.3	2.6	2.6	2.2	2.2	2.0
College Plans:															
None or under 4 years	1.6	2.3	2.7	5.5	6.5	10.2	9.5	9.7	10.3	10.4	11.7	9.4	9.9	9.0	9.5
Complete 4 years	0.6	0.4	0.6	1.4	2.1	2.3	2.6	2.4	2.7	2.7	3.3	2.9	2.6	2.3	2.1
Region:															
Northeast	8.0	0.7	1.6	2.5	1.9	3.7	3.9	5.0	3.9	3.9	3.8	3.6	3.7	3.3	3.3
Midwest	0.9	0.6	1.0	2.0	2.9	3.8	3.8	3.4	4.2	4.2	4.1	4.2	2.8	3.0	3.3
South	0.6	0.6	0.7	2.2	3.2	3.0	3.9	3.4	3.6	3.4	4.5	3.2	4.2	3.4	2.9
West	1.1	1.3	1.1	2.1	2.7	3.8	2.7	2.9	3.7	3.7	6.2	5.2	3.8	3.0	2.9
Population Density:															
Large MSA	8.0	0.5	1.2	2.1	2.5	3.0	3.6	3.4	3.1	4.2	4.4	3.4	3.0	2.5	3.0
Other MSA	0.9	8.0	0.9	2.3	3.1	3.7	3.8	3.9	4.1	3.4	4.4	4.4	3.6	3.3	3.0
Non-MSA	0.7	0.9	1.1	2.0	2.4	3.7	3.6	3.3	3.9	4.0	4.8	3.7	4.8	3.8	3.4
Parental Education: a															
1.0-2.0 (Low)	1.1	1.1	1.4	2.0	4.1	3.6	3.2	3.8	4.6	4.9	6.0	4.6	5.5	5.3	3.7
2.5-3.0	0.9	0.8	1.0	2.6	3.6	4.6	4.3	4.9	5.5	4.3	5.3	4.9	4.8	3.8	4.8
3.5-4.0	8.0	0.9	1.1	2.4	2.8	4.1	4.2	3.4	3.5	4.2	4.7	3.9	3.4	3.4	3.3
4.5-5.0	8.0	0.6	0.6	1.8	1.9	2.4	3.0	3.1	2.6	3.4	3.8	2.7	2.9	2.0	2.0
5.5-6.0 (High)	0.4	0.8	1.0	1.0	2.0	2.1	2.2	2.3	2.5	2.1	3.3	3.2	2.4	1.7	1.8
Race (2-year average): b															
White	_	0.9	1.0	1.6	2.5	3.2	3.7	3.7	3.8	4.0	4.3	4.4	4.1	3.5	3.1
African American	_	0.3	0.3	8.0	1.7	2.2	2.8	3.4	3.0	3.2	3.6	3.0	2.9	2.8	2.8
Hispanic	_	0.8	1.1	1.9	2.5	2.8	3.5	3.6	3.2	3.2	4.2	3.9	3.0	2.9	3.1

TABLE 17 (cont.)

MARIJUANA: Trends in 30-Day Prevalence of <u>Daily</u> Use by Subgroups in <u>Grade 10</u>

					Perd	centage v	who use	d daily ir	n last 30	days					
Approximate weighted N =	<u>2006</u>	2007 16,100	2008 15,100	<u>2009</u> 15,900	<u>2010</u> 15,200	<u>2011</u> 14,900	<u>2012</u> 15,000	2013 12,900	2014 13,000	2015 15.600	2016 14.700	2017 13.500	2018 14,300	2019 14.000	2018-2019 <u>change</u>
Total	2.8	2.8	2.7	2.8	3.3	3.6	3.5	4.0	3.4	3.0	2.5	2.9	3.4	4.8	+1.3 s
Gender:	2.0	2.0	2.1	2.0	0.0	0.0	0.0	4.0	0.4	0.0	2.0	2.0	0.4	4.0	11.0 3
Male	3.5	3.9	3.8	4.1	5.1	5.4	4.6	6.2	4.3	3.6	3.1	3.3	4.2	5.2	+1.0
Female	2.0	1.8	1.7	1.7	1.6	1.7	2.4	2.0	2.4	2.4	1.9	2.4	2.5	4.2	+1.7 s
College Plans:															
None or under 4 years	8.9	8.3	9.2	7.9	9.5	9.5	10.5	10.0	8.8	8.8	7.4	8.1	8.9	10.3	+1.4
Complete 4 years	1.9	2.1	1.9	2.2	2.6	2.9	2.8	3.3	2.8	2.4	1.9	2.2	2.5	3.5	+1.0 s
Region:															
Northeast	2.8	3.2	2.8	1.9	2.9	4.3	3.2	2.8	3.4	3.0	2.4	3.2	4.1	4.3	+0.2
Midwest	2.6	2.9	2.6	2.5	2.9	2.9	3.2	3.9	3.2	2.0	2.6	3.2	2.5	4.2	+1.7 ss
South	3.0	2.7	3.2	3.5	3.3	3.6	4.1	5.0	3.7	3.7	2.6	2.7	3.6	5.0	+1.4
West	2.5	2.7	2.4	3.1	4.3	3.8	3.5	3.7	3.3	3.0	2.4	2.9	3.5	5.3	+1.8
Population Density:															
Large MSA	2.8	2.3	2.5	2.2	2.8	3.6	2.9	3.4	3.3	2.6	2.1	2.7	3.2	3.8	+0.6
Other MSA	2.6	2.9	3.0	3.0	3.7	3.5	3.6	4.4	3.6	3.2	2.5	2.7	3.8	5.7	+1.9 s
Non-MSA	3.2	3.5	2.6	3.4	3.3	3.6	4.3	3.9	3.2	3.5	3.4	4.0	2.9	3.7	+0.8
Parental Education: a															
1.0-2.0 (Low)	4.2	4.9	4.2	4.6	4.5	5.8	5.5	5.8	4.3	5.1	3.0	4.3	4.9	5.6	+0.7
2.5–3.0	3.9	3.4	3.7	3.4	4.6	4.3	5.3	5.7	4.4	4.8	3.3	3.9	5.0	7.5	+2.5
3.5-4.0	2.9	3.2	3.2	2.9	3.8	3.7	3.2	4.4	4.6	3.3	3.2	3.2	3.3	5.8	+2.5 s
4.5–5.0	1.8	2.0	1.8	2.1	2.4	2.5	3.0	2.8	2.0	1.7	1.8	2.1	2.3	2.7	+0.4
5.5-6.0 (High)	1.9	1.6	1.3	1.9	1.7	2.9	1.8	2.2	1.4	1.8	0.9	1.9	2.3	2.0	-0.3
Race (2-year average): b															
White	3.0	3.1	2.8	2.6	2.9	3.3	3.4	3.5	3.5	3.2	3.0	2.7	2.8	3.4	+0.6 s
African American	2.8	2.5	2.8	2.9	3.2	3.8	4.0	4.7	4.4	3.0	2.3	2.7	3.8	4.6	+0.9
Hispanic	2.6	1.9	2.5	2.9	3.2	3.3	3.2	3.7	3.7	3.3	2.7	2.6	2.9	4.5	+1.5

Source. The Monitoring the Future Study, the University of Michigan.

Votes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '--' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence-of-use estimates for the two most recent classes is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 18

MARIJUANA: Trends in 30-Day Prevalence of <u>Daily</u> Use by Subgroups in <u>Grade 12</u>

-						Per	centage v	who used	d daily in	last 30 c	lays					
	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>
Approximate weighted N =	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200
Total	6.0	8.2	9.1	10.7	10.3	9.1	7.0	6.3	5.5	5.0	4.9	4.0	3.3	2.7	2.9	2.2
Gender:																
Male	8.1	10.8	12.4	14.2	12.7	11.9	9.6	8.2	7.3	7.0	6.9	5.7	4.3	3.9	4.1	3.2
Female	4.0	5.0	5.6	7.1	7.3	6.0	4.2	4.0	3.2	2.5	2.8	2.3	2.1	1.3	1.5	1.0
College Plans:																
None or under 4 years	_	9.9	11.1	12.8	13.0	11.9	9.4	8.6	7.3	6.9	6.7	6.2	5.2	4.0	4.6	3.5
Complete 4 years	_	5.5	6.3	7.4	6.8	5.9	4.8	3.9	3.4	2.9	3.3	2.3	2.0	1.8	2.0	1.5
Region:																
Northeast	6.7	10.2	9.9	14.5	13.6	11.1	9.1	8.0	6.9	7.5	6.8	5.0	4.1	2.5	3.3	2.7
Midwest	6.2	8.1	8.8	11.4	11.5	9.5	8.2	6.8	5.5	4.4	5.5	4.0	3.1	2.5	3.2	2.3
South	5.0	6.7	9.1	8.5	7.0	7.5	4.5	4.8	4.5	4.1	3.0	2.8	2.9	2.6	2.6	1.7
West	6.5	8.0	8.1	8.2	9.3	8.6	6.4	5.4	5.1	4.7	4.5	4.6	3.4	3.1	2.5	2.4
Population Density:																
Large MSA	8.4	10.7	9.5	12.7	10.6	10.3	8.3	7.9	7.3	5.7	5.8	4.6	3.8	2.6	2.3	2.4
Other MSA	5.9	8.2	10.0	10.9	11.3	9.5	7.1	6.0	5.7	5.0	5.0	3.9	3.5	3.4	3.0	2.0
Non-MSA	4.5	6.3	7.6	9.0	8.6	7.7	6.0	5.3	3.8	4.4	3.8	3.6	2.6	1.4	3.3	2.4
Parental Education: ^a																
1.0-2.0 (Low)	4.4	6.8	6.9	8.6	8.4	8.2	6.2	6.2	5.7	5.1	4.2	4.1	4.0	2.5	2.4	2.0
2.5–3.0	5.7	8.2	9.9	11.3	10.9	10.0	7.5	6.5	5.4	5.4	5.5	4.4	2.9	2.7	2.6	2.3
3.5–4.0	5.0	8.0	9.0	10.3	10.1	8.7	6.4	6.4	5.2	4.6	4.7	3.7	3.5	2.4	2.6	1.9
4.5–5.0	5.5	8.8	8.6	10.4	9.0	7.8	6.4	5.7	5.0	4.0	4.2	3.5	2.9	2.6	3.3	2.1
5.5-6.0 (High)	4.3	8.1	9.0	10.2	10.4	8.0	7.1	4.8	3.7	4.0	3.6	2.3	2.7	2.3	2.7	2.5
Race (2-year average): b																
White	_	_	8.6	10.2	10.8	9.7	8.0	6.8	5.9	5.1	4.9	4.5	3.7	3.2	3.1	2.8
African American	_	_	6.4	6.0	5.1	5.8	5.4	4.3	4.1	3.6	3.3	3.1	2.3	1.3	0.9	0.7
Hispanic		_	6.9	6.3	6.5	8.3	6.9	5.7	5.3	4.7	3.9	3.3	3.0	2.1	1.9	2.0

TABLE 18 (cont.)

MARIJUANA: Trends in 30-Day Prevalence of <u>Daily</u> Use by Subgroups in <u>Grade 12</u>

Percentage who used daily in last 30 days

	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	2003	2004	2005
Approximate weighted N =	15,000	15,800	16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700
Total	2.0	1.9	2.4	3.6	4.6	4.9	5.8	5.6	6.0	6.0	5.8	6.0	6.0	5.6	5.0
Gender:															
Male	3.0	2.8	3.3	5.1	6.5	6.8	8.1	7.7	7.9	8.2	7.9	8.7	8.3	7.7	7.2
Female	0.9	1.0	1.5	2.0	2.4	2.7	3.1	3.2	3.9	3.5	3.6	3.1	3.4	3.1	2.8
College Plans:															
None or under 4 years	3.3	3.5	3.6	4.9	6.8	7.1	8.0	9.8	9.2	9.8	8.8	10.3	9.4	8.1	8.4
Complete 4 years	1.4	1.2	2.0	2.9	3.5	3.9	4.7	4.0	4.7	4.4	4.4	4.6	4.5	4.5	4.0
Region:															
Northeast	2.4	2.4	3.0	4.1	5.1	6.2	6.9	6.8	5.7	7.3	7.7	7.4	7.8	6.8	5.5
Midwest	1.9	1.8	2.3	4.1	4.1	5.2	5.2	5.3	6.2	5.9	6.8	6.2	5.7	5.1	5.4
South	1.8	1.3	1.7	3.0	4.3	3.8	5.3	4.9	5.2	4.6	3.9	5.6	5.4	5.0	5.4
West	2.1	2.6	3.3	3.3	5.3	4.8	6.3	6.5	7.6	7.4	5.9	5.1	5.6	6.1	3.6
Population Density:															
Large MSA	1.9	1.9	2.5	3.7	5.3	5.5	4.6	5.4	5.4	5.7	5.9	6.0	4.4	5.3	5.3
Other MSA	2.5	1.7	2.4	3.9	4.5	5.0	6.6	5.9	5.8	6.3	5.7	6.1	7.6	6.3	5.0
Non-MSA	1.2	2.1	2.3	2.8	3.9	4.1	5.4	5.4	7.1	5.9	6.0	5.6	5.2	4.7	4.7
Parental Education: a															
1.0-2.0 (Low)	2.3	1.6	2.3	2.3	4.0	3.9	4.9	6.2	8.8	7.7	5.5	4.5	5.0	5.5	4.3
2.5–3.0	2.4	1.9	2.1	3.8	4.9	5.1	5.8	5.7	6.2	6.3	5.8	7.0	6.0	5.5	5.7
3.5-4.0	1.8	1.8	2.8	3.6	4.0	5.0	5.7	5.8	5.5	5.9	5.7	6.7	6.4	6.0	5.0
4.5–5.0	1.7	1.6	2.3	3.6	4.3	4.8	6.1	5.0	5.5	5.3	5.4	4.8	5.5	5.5	5.1
5.5-6.0 (High)	1.6	2.0	2.1	3.1	3.9	4.1	4.8	4.1	4.6	4.1	4.4	4.6	3.9	3.7	3.8
Race (2-year average): b															
White	2.2	2.0	2.4	3.2	4.1	4.7	5.5	5.9	5.8	6.0	6.2	6.4	6.5	6.3	5.8
African American	0.7	0.5	0.8	2.0	3.2	3.7	3.9	4.4	4.7	4.6	4.1	3.7	3.7	3.2	3.5
Hispanic	2.2	2.1	1.9	2.0	3.0	4.2	4.5	4.7	6.0	6.9	5.0	4.0	4.0	4.0	3.7

TABLE 18 (cont.)

MARIJUANA: Trends in 30-Day Prevalence of <u>Daily</u> Use by Subgroups in <u>Grade 12</u>

					Per	centage	who used	d daily in	last 30 c	lays					
	2006	2007	2008	2009	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	2018-201 change
Approximate weighted N =	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	5.0	5.1	5.4	5.2	6.1	6.6	6.5	6.5	5.8	6.0	6.0	5.9	5.8	6.4	+0.7
Gender:															
Male	6.3	6.8	7.6	7.5	8.8	9.7	9.1	8.9	8.5	8.1	8.0	7.8	7.2	8.0	+0.8
Female	3.2	3.2	3.0	2.6	3.2	3.3	3.6	3.8	3.3	3.8	3.6	3.6	3.4	4.6	+1.2 s
College Plans:															
None or under 4 years	9.3	9.6	9.2	8.3	10.5	11.5	9.0	10.7	9.8	9.7	9.5	10.4	9.2	11.1	+1.8
Complete 4 years	3.7	3.8	4.2	4.1	4.7	5.4	5.5	5.1	4.6	5.0	4.9	4.6	4.1	4.7	+0.6
Region:															
Northeast	7.9	7.0	6.8	5.3	7.5	7.1	7.1	8.0	7.0	7.0	7.6	7.3	6.5	5.7	-0.7
Midwest	4.9	5.7	4.8	6.0	5.8	6.8	6.0	5.5	6.2	5.6	5.6	6.0	6.4	5.7	-0.8
South	4.2	4.3	5.5	5.0	6.1	6.3	6.1	6.4	5.3	5.5	5.0	4.7	4.2	6.2	+2.0 ss
West	3.7	4.0	4.9	4.4	5.4	6.5	7.0	6.5	5.4	6.6	6.9	6.9	7.2	8.8	+1.6
Population Density:															
Large MSA	4.9	4.7	5.6	5.4	6.3	6.2	7.4	6.6	5.2	6.4	6.7	6.1	6.4	5.6	-0.8
Other MSA	5.0	5.1	5.3	5.3	6.7	7.5	6.4	7.1	6.6	5.9	5.5	5.4	5.1	6.9	+1.7 ss
Non-MSA	5.1	5.5	5.6	4.6	4.3	5.0	5.2	4.7	4.8	5.8	6.1	7.0	6.1	6.9	+0.8
Parental Education: a															
1.0-2.0 (Low)	4.6	5.6	4.8	3.5	4.6	5.1	5.2	7.8	5.8	6.1	6.4	6.6	4.8	7.3	+2.4 ss
2.5–3.0	6.0	5.8	5.4	5.5	6.1	7.4	7.6	8.7	6.5	7.1	6.8	7.6	6.7	7.1	+0.4
3.5-4.0	4.9	5.0	4.9	5.5	6.6	6.9	7.2	6.9	6.4	5.9	6.2	6.4	6.0	6.7	+0.6
4.5–5.0	4.3	4.3	5.8	4.7	5.4	5.8	6.1	4.3	4.6	5.0	5.0	4.0	4.1	5.2	+1.1
5.5-6.0 (High)	3.6	3.8	4.9	4.1	4.7	6.0	4.4	4.8	4.5	4.9	3.7	3.5	4.4	4.4	0.0
Race (2-year average): b															
White	5.4	5.4	5.7	5.8	5.9	6.6	6.9	6.5	6.2	5.9	5.5	5.9	5.8	5.6	-0.2
African American	4.4	4.5	3.8	4.3	6.1	6.5	6.0	6.2	6.1	6.3	7.1	6.6	5.9	6.6	+0.6
Hispanic	3.2	3.2	3.4	3.6	4.1	4.6	4.8	6.1	5.7	4.8	5.1	5.0	4.3	4.8	+0.4

Source. The Monitoring the Future Study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence-of-use estimates for the two most recent classes is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 19
SYNTHETIC MARIJUANA: Trends in Annual Prevalence of Use by Subgroups in Grade 8

			Perce	entage wh	o used in	last 12 n	nonths			
•										2018–
	1991–									2019
	<u>2011</u>	2012	2013	2014	2015	2016	2017	2018	2019	<u>change</u>
Approximate weighted N =	_	15,100	14,600	14,600	14,400	16,900	15,300	14,000	13,600	
Total	_	4.4	4.0	3.3	3.1	2.7	2.0	1.6	2.7	+1.1 ss
Gender:										
Male	_	4.1	3.8	2.9	2.6	2.6	2.3	1.8	2.3	+0.6
Female	_	4.6	4.1	3.6	3.5	2.8	1.6	1.4	3.1	+1.7 ss
College Plans:										
None or under 4 years	_	10.2	13.8	11.6	9.9	8.5	7.4	2.2	5.5	+3.3 s
Complete 4 years	_	3.9	3.3	2.6	2.6	2.2	1.4	1.4	2.3	+0.9 s
Region:										
Northeast	_	2.7	3.5	3.5	1.6	1.5	8.0	1.5	2.3	+0.9
Midwest	_	2.4	2.8	2.6	2.9	2.7	1.6	1.2	2.0	+0.9
South	_	5.6	4.2	2.6	3.1	2.8	2.5	1.6	2.8	+1.2
West	_	5.5	5.1	5.1	4.6	3.3	2.3	2.0	3.4	+1.5
Population Density:										
Large MSA	_	4.0	3.8	3.5	2.8	2.4	1.7	1.3	2.1	+0.9 s
Other MSA	_	4.9	3.9	2.6	3.4	2.5	2.4	1.8	3.1	+1.3 s
Non-MSA	_	3.8	4.2	4.3	3.0	3.6	1.4	1.5	2.5	+1.1
Parental Education: a										
1.0-2.0 (Low)	_	5.9	8.5	6.9	7.5	5.3	3.8	2.9	6.1	+3.2
2.5–3.0	_	6.4	4.0	4.3	3.5	3.3	2.0	1.5	5.1	+3.6 ss
3.5–4.0	_	5.5	4.8	2.9	3.1	4.3	2.2	1.5	2.6	+1.1
4.5–5.0	_	2.9	3.0	2.4	2.1	1.0	1.3	1.6	1.4	-0.2
5.5-6.0 (High)	_	1.8	2.7	2.7	1.3	1.4	1.2	1.0	1.7	+0.7
Race/Ethnicity (2-year data:) b										
White	_	_	3.1	2.9	2.2	2.1	1.8	1.1	1.5	+0.4
African American	_	_	2.8	2.3	2.0	2.5	2.9	2.4	1.9	-0.5
Hispanic	_		7.6	5.3	4.3	3.7	2.7	2.5	3.5	+0.9

Source. The Monitoring the Future study, the University of Michigan.

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in S1.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 20
SYNTHETIC MARIJUANA: Trends in Annual Prevalence of Use by Subgroups in Grade 10

			Perce	ntage wh	o used in	last 12 n	nonths			
•										2018–
	1991–									2019
	<u>2011</u>	2012	2013	2014	2015	<u>2016</u>	2017	2018	2019	<u>change</u>
Approximate weighted N =	_	15,000	12,900	13,000	15,600	14,700	13,500	14,300	14,000	
Total	_	8.8	7.4	5.4	4.3	3.3	2.7	2.9	2.6	-0.3
Gender:										
Male	_	10.0	7.9	5.1	4.3	2.9	2.9	3.4	2.8	-0.6
Female	_	7.7	6.9	5.6	4.4	3.6	2.4	2.4	2.3	0.0
College Plans:										
None or under 4 years	_	18.7	16.5	12.9	11.4	7.8	5.5	4.7	4.3	-0.4
Complete 4 years	_	7.8	6.5	4.5	3.6	2.8	2.4	2.6	2.4	-0.2
Region:										
Northeast	_	7.7	6.9	3.8	4.6	4.2	1.3	3.3	2.6	-0.7
Midwest	_	9.2	6.3	5.8	3.4	2.7	2.7	2.6	2.3	-0.4
South	_	10.0	7.0	5.6	4.0	3.4	1.6	2.0	1.7	-0.3
West	_	7.4	9.4	6.1	5.7	3.0	5.0	4.6	4.7	+0.1
Population Density:										
Large MSA	_	7.7	6.4	5.6	4.6	2.8	1.9	3.7	1.8	-1.9 s
Other MSA	_	8.3	7.6	4.9	4.1	3.5	3.0	2.5	3.1	+0.7
Non-MSA	_	11.4	8.4	6.4	4.4	3.4	3.1	2.9	2.7	-0.1
Parental Education: a										
1.0-2.0 (Low)	_	10.5	8.6	6.6	8.5	4.4	5.0	5.5	3.0	-2.6
2.5–3.0	_	13.4	10.5	7.5	6.1	4.4	2.2	3.0	2.5	-0.6
3.5–4.0	_	9.0	8.4	6.9	5.0	3.8	3.2	2.8	2.4	-0.3
4.5–5.0	_	7.2	4.9	3.3	3.0	2.0	2.1	1.9	3.4	+1.4
5.5-6.0 (High)	_	6.4	4.8	3.4	2.0	2.4	1.4	3.2	1.6	-1.6
Race/Ethnicity (2-year data:) b										
White	_	_	8.4	6.2	4.5	3.5	2.6	2.2	2.7	+0.5
African American	_	_	3.6	4.1	4.1	3.4	3.0	2.2	1.5	-0.7
Hispanic	_		8.8	7.4	5.7	5.1	4.0	4.3	3.4	-0.8

Source. The Monitoring the Future study, the University of Michigan.

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in S2.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 21

SYNTHETIC MARIJUANA: Trends in Annual Prevalence of Use by Subgroups in Grade 12

			F	ercentage	e who use	ed in last	12 month	s			
•											2018-
	2009–										2019
	<u>2010</u>	2011	2012	<u>2013</u>	2014	2015	2016	2017	<u>2018</u>	<u>2019</u>	<u>change</u>
Approximate weighted N =	_	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	_	11.4	11.3	7.9	5.8	5.2	3.5	3.7	3.5	3.3	-0.2
Gender:											
Male	_	14.7	14.1	8.7	6.2	5.2	3.1	3.0	3.0	2.6	-0.3
Female	_	7.9	7.9	6.8	5.3	5.2	3.5	4.2	3.4	3.8	+0.4
College Plans:											
None or under 4 years	_	18.9	16.7	11.8	5.8	8.0	5.7	5.6	5.4	5.1	-0.3
Complete 4 years	_	10.0	9.9	7.0	5.8	4.4	2.8	3.3	2.9	2.8	-0.1
Region:											
Northeast	_	11.9	10.7	7.4	5.1	4.3	3.9	2.4	2.2	4.4	+2.2
Midwest	_	13.5	14.2	7.6	6.6	5.3	3.8	3.8	3.8	1.8	-2.0 s
South	_	11.0	9.3	7.9	6.2	4.3	3.4	3.4	4.0	3.1	-0.9
West	_	9.5	11.1	8.4	5.0	7.1	3.2	4.8	3.1	4.8	+1.7
Population Density:											
Large MSA	_	9.7	13.3	6.8	5.9	5.4	3.3	3.3	3.3	4.1	+0.8
Other MSA	_	12.3	10.3	8.2	6.3	5.0	3.9	3.2	3.7	2.9	-0.7
Non-MSA	_	11.7	10.8	8.6	4.6	5.2	2.8	5.5	3.4	2.9	-0.4
Parental Education: a											
1.0-2.0 (Low)	_	13.2	10.7	8.8	7.5	6.1	4.1	5.1	7.1	3.9	-3.2
2.5–3.0	_	12.9	12.3	7.0	7.0	5.9	4.8	4.8	3.6	5.0	+1.4
3.5–4.0	_	12.1	12.8	8.4	5.6	5.2	3.7	4.7	2.6	3.3	+0.7
4.5–5.0	_	9.2	11.0	8.5	5.2	4.2	2.5	1.8	3.0	2.8	-0.3
5.5–6.0 (High)	_	11.3	8.5	5.1	4.2	4.4	2.3	2.6	2.1	1.8	-0.3
Race/Ethnicity (2-year data:) b											
White	_	_	12.9	10.4	6.9	5.3	4.3	3.6	3.0	2.5	-0.5
African American	_	_	6.0	6.5	5.8	3.7	2.8	2.8	2.8	2.2	-0.6
Hispanic			9.9	9.6	7.6	6.9	6.1	4.4	5.0	5.0	+0.1

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates

for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on two of six forms; N is two sixths of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 22

INHALANTS: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 8</u>

						Percer	ntage wh	o used ir	n last 12	months					
Approximate weighted N =	<u>1991</u> 17,500	<u>1992</u> 18,600	<u>1993</u> 18,300	<u>1994</u> 17,300	<u>1995</u> 17,500	<u>1996</u> 17,800	<u>1997</u> 18,600	<u>1998</u> 18,100	1999 16,700	2000 16,700	2001 16,200	2002 15,100	2003 16,500	2004 17,000	2005 16,800
Total	9.0	9.5	11.0	11.7	12.8	12.2	11.8	11.1	10.3	9.4	9.1	7.7	8.7	9.6	9.5
Gender:															
Male	9.0	9.2	10.4	11.2	11.5	10.3	10.5	10.6	9.5	8.9	8.4	7.6	7.7	8.8	7.8
Female	9.0	9.8	11.9	12.2	14.0	14.1	12.9	11.6	11.1	9.9	9.9	7.8	9.6	10.5	11.1
College Plans:															
None or under 4 years	15.0	15.6	17.7	18.3	19.6	18.2	18.1	20.9	17.9	17.2	15.1	14.5	16.5	17.9	15.3
Complete 4 years	8.1	8.8	10.2	10.9	11.9	11.4	11.2	10.2	9.5	8.6	8.6	7.1	8.0	8.7	9.0
Region:															
Northeast	8.0	8.6	11.3	12.0	13.1	11.7	12.1	9.1	9.8	8.7	9.4	6.9	9.0	8.9	9.1
Midwest	9.8	10.5	9.9	10.3	13.8	13.3	11.3	11.3	10.6	10.6	8.8	8.0	9.6	9.6	8.5
South	8.9	9.1	10.0	11.3	12.1	11.3	11.6	11.3	9.9	8.4	9.5	8.4	7.9	9.9	9.8
West	8.8	9.8	14.2	14.0	12.4	12.9	12.6	12.4	10.9	10.5	8.6	6.4	8.9	9.6	10.4
Population Density:															
Large MSA	9.9	9.1	10.8	11.6	11.7	11.4	10.4	8.6	8.8	8.3	8.3	7.1	8.0	8.8	8.8
Other MSA	8.5	10.3	12.3	13.1	13.7	13.4	11.5	11.1	10.1	9.4	8.9	8.0	8.5	10.3	10.7
Non-MSA	9.1	8.6	8.5	9.3	12.3	11.0	13.9	14.0	12.3	10.9	10.4	7.8	10.1	9.2	8.3
Parental Education: a															
1.0-2.0 (Low)	12.0	11.4	11.5	12.4	13.0	11.3	12.1	14.4	12.9	13.1	10.7	10.3	10.6	12.6	11.6
2.5–3.0	9.5	9.9	10.9	12.1	13.9	12.6	12.6	12.0	11.8	11.3	9.7	8.3	10.1	10.2	11.6
3.5-4.0	8.9	10.0	11.5	12.3	14.7	13.4	13.5	12.8	10.8	9.9	9.4	8.9	10.3	11.0	10.0
4.5–5.0	8.0	8.4	10.6	11.0	12.3	13.2	11.4	9.7	9.2	7.1	9.0	7.3	7.4	9.3	8.4
5.5-6.0 (High)	8.4	10.3	12.6	12.2	11.6	11.7	10.8	10.6	9.1	9.2	7.7	6.2	6.5	6.9	8.0
Race/Ethnicity (2-year average): b															
White	_	10.1	11.3	12.4	13.8	14.6	14.1	13.3	12.1	10.9	10.1	9.1	8.8	9.6	9.8
African American	_	4.4	4.6	5.3	5.0	4.2	3.8	4.2	4.2	4.3	4.8	5.0	4.9	5.4	5.8
Hispanic	_	10.4	11.5	12.5	13.3	12.7	11.4	11.5	12.7	12.2	11.0	9.9	9.6	10.6	11.0

TABLE 22 (cont.)

INHALANTS: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 8</u>

Percentage who used in last 12 months

															2018-2019
	2006	2007	2008	2009	2010	2011	2012	2013	2014 ^c	2015 ^c	2016 ^c	2017 ^c	2018 ^c	2019 ^c	change
Approximate weighted N =	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	14,400	16,900	15,300	14,000	13,600	
Total	9.1	8.3	8.9	8.1	8.1	7.0	6.2	5.2	5.3	4.6	3.8	4.7	4.6	4.7	+0.1
Gender:															
Male	7.7	7.3	7.0	7.0	6.4	5.5	4.5	4.0	4.0	3.8	2.9	4.0	3.6	3.1	-0.5
Female	10.5	9.3	11.0	9.3	9.5	8.6	7.9	6.3	6.2	5.2	4.7	5.3	5.4	6.2	+0.8
College Plans:															
None or under 4 years	17.3	18.1	19.1	16.7	13.1	12.8	11.2	10.9	10.7	7.6	8.6	8.3	8.0	5.8	-2.1
Complete 4 years	8.3	7.5	8.0	7.5	7.7	6.7	5.9	4.8	4.8	4.3	3.3	4.3	4.2	4.5	+0.3
Region:															
Northeast	7.2	5.9	7.9	7.4	7.4	6.7	5.6	5.3	4.1	4.6	2.6	4.3	3.7	4.0	+0.3
Midwest	9.0	8.1	9.1	7.6	7.9	5.8	5.5	4.1	4.9	4.7	4.5	4.5	4.7	4.3	-0.5
South	9.1	9.1	9.6	8.9	8.3	7.1	6.4	5.1	5.6	5.0	3.8	4.7	4.3	5.3	+1.0
West	10.5	8.8	8.4	7.9	8.3	8.4	7.2	6.3	5.9	3.7	3.8	5.0	5.5	4.5	-1.0
Population Density:															
Large MSA	8.8	8.6	8.7	7.1	7.2	6.7	6.6	5.1	5.1	4.2	3.4	4.3	4.6	4.1	-0.5
Other MSA	9.0	8.3	8.9	8.8	8.6	7.3	6.5	5.3	4.9	4.7	3.7	4.6	4.4	5.0	+0.6
Non-MSA	9.7	7.9	9.2	8.1	8.0	7.1	5.0	5.1	6.3	4.9	4.6	5.2	5.0	4.9	-0.1
Parental Education: a															
1.0-2.0 (Low)	10.5	11.9	13.3	11.8	12.2	10.7	8.9	8.6	7.2	5.3	6.1	5.8	5.8	6.2	+0.4
2.5-3.0	10.7	9.3	10.8	9.5	9.8	8.1	7.8	6.0	6.7	5.5	4.3	5.7	4.8	5.6	+0.8
3.5-4.0	10.3	9.2	9.5	9.3	8.2	8.1	6.8	6.2	5.9	4.9	3.5	5.5	5.4	4.9	-0.5
4.5–5.0	7.8	7.6	7.3	6.9	6.7	5.5	5.0	4.0	4.2	3.9	3.6	4.1	3.9	4.4	+0.5
5.5-6.0 (High)	7.9	6.3	7.8	6.1	6.6	6.2	5.2	3.8	4.1	3.7	3.2	4.2	4.1	4.5	+0.4
Race/Ethnicity (2-year average): b															
White	9.7	8.9	8.5	8.6	8.0	7.1	5.9	4.9	4.4	4.3	3.9	4.2	4.5	4.7	+0.3
African American	5.4	5.5	5.6	5.9	5.5	5.1	5.6	5.1	4.7	4.4	3.6	3.3	3.6	4.0	+0.4
Hispanic	9.5	9.2	10.2	10.3	10.7	10.5	9.0	7.6	6.5	4.8	4.1	4.4	4.7	4.6	-0.1

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

 $^{^{\}mathrm{c}}$ Beginning in 2014 data are based on three of four forms; N is two thirds of N indicated.

TABLE 23

INHALANTS: Trends in Annual Prevalence of Use by Subgroups in Grade 10

						Percer	ntage wh	o used ir	n last 12	months					
	<u>1991</u>	<u>1992</u>	1993	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	1998	1999	2000	2001	2002	2003	2004	<u>2005</u>
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200
Total	7.1	7.5	8.4	9.1	9.6	9.5	8.7	8.0	7.2	7.3	6.6	5.8	5.4	5.9	6.0
Gender:															
Male	7.4	7.6	9.1	9.7	10.3	10.1	9.1	8.4	7.6	7.7	6.7	5.4	5.2	5.8	5.0
Female	6.6	7.5	7.7	8.6	8.9	8.9	8.2	7.6	6.9	7.0	6.5	6.0	5.6	6.1	6.9
College Plans:															
None or under 4 years	12.0	12.4	14.0	15.1	14.6	14.3	14.4	13.5	11.6	11.2	11.0	9.8	9.6	11.2	9.9
Complete 4 years	5.9	6.4	7.3	7.8	8.7	8.7	7.7	7.0	6.5	6.7	5.9	5.2	4.8	5.2	5.5
Region:															
Northeast	7.2	7.8	10.6	9.8	10.4	11.5	8.9	9.3	8.3	7.2	6.5	6.0	5.9	6.1	6.2
Midwest	7.5	8.0	8.3	8.4	10.4	9.8	8.3	6.7	8.4	7.5	6.5	5.8	6.1	5.7	6.1
South	7.2	6.6	7.3	9.0	9.4	9.1	8.8	8.3	6.5	7.4	6.8	5.4	4.6	5.6	5.6
West	6.2	8.0	8.4	9.9	8.1	8.0	8.5	7.8	6.1	7.2	6.7	6.2	5.5	6.6	6.1
Population Density:															
Large MSA	7.7	7.8	8.5	7.9	8.7	8.1	8.1	6.7	6.9	7.1	6.0	5.1	4.8	5.0	6.2
Other MSA	7.1	7.4	8.4	9.8	9.7	9.6	8.4	7.7	7.0	6.8	6.9	5.4	5.2	6.3	5.6
Non-MSA	6.5	7.5	8.6	9.1	10.5	11.0	9.8	10.1	8.3	8.5	7.0	7.4	7.1	6.5	6.5
Parental Education: a															
1.0-2.0 (Low)	7.0	8.2	10.2	8.7	9.4	10.8	9.3	9.7	8.7	8.5	7.6	5.6	5.8	6.2	6.3
2.5-3.0	8.0	7.9	9.1	9.5	11.0	9.9	8.5	9.1	8.0	8.1	7.5	6.0	6.3	6.9	6.9
3.5-4.0	7.5	8.3	8.3	9.6	10.2	10.1	9.4	8.1	6.9	7.4	5.9	6.3	5.8	5.7	6.2
4.5–5.0	6.4	6.5	7.2	8.7	9.4	8.4	8.3	7.1	6.7	6.5	6.8	5.6	5.1	5.7	5.8
5.5-6.0 (High)	6.6	6.7	8.2	8.2	7.0	10.1	8.2	6.7	7.2	7.2	5.5	5.2	4.4	5.1	5.3
Race/Ethnicity (2-year average): b															
White	_	8.3	8.8	9.6	10.6	11.0	10.4	9.6	8.9	8.4	7.9	7.1	6.6	6.5	6.6
African American	_	3.6	3.7	3.3	2.8	2.3	2.3	2.4	2.0	2.0	2.1	2.4	2.0	2.1	2.8
Hispanic	_	6.4	8.3	9.0	8.5	8.2	7.9	7.6	7.3	6.3	5.9	4.8	4.8	5.7	6.2

TABLE 23 (cont.)

INHALANTS: Trends in Annual Prevalence of Use by Subgroups in Grade 10

Percentage who used in last 12 months 2018-2019 2006 2007 2010 2011 2012 2014^c 2015^c 2016^c 2017^c 2018^c 2019^c change Approximate weighted N = 16,20015,100 15,900 15,200 14,900 15,000 12,900 13,000 15,600 14,700 13,500 14.300 16,100 Total 6.6 5.9 5.7 4.5 4.1 3.5 3.3 2.9 2.4 2.3 2.4 2.8 +0.4 6.5 6.1 Gender: Male 5.9 6.3 5.4 5.0 4.1 3.4 3.4 2.8 2.7 2.2 2.1 2.0 2.6 +0.6 Female 7.1 7.0 6.3 6.7 6.3 4.8 3.5 3.8 3.0 2.6 2.5 2.7 3.0 +0.3 College Plans: None or under 4 years 10.6 12.0 11.1 11.7 12.1 9.7 8.8 6.0 6.5 5.7 4.3 4.6 4.1 4.3 +0.3 Complete 4 years 5.9 5.0 3.9 3.6 3.2 3.0 2.6 2.2 2.0 2.2 2.5 +0.4 Region: Northeast 6.5 6.4 4.9 4.9 4.8 3.8 2.6 2.5 2.7 2.1 2.0 2.0 2.2 +0.2 6.1 5.8 2.4 2.0 Midwest 6.7 6.8 5.7 5.7 3.9 3.8 3.3 3.6 2.1 1.6 3.0 +1.0 South 5.7 6.1 5.6 5.2 5.8 4.3 4.2 3.2 3.8 2.9 2.7 3.0 2.9 2.9 0.0 West 7.2 7.3 7.2 7.6 6.3 5.1 4.4 4.5 3.2 3.5 2.6 2.1 2.2 2.8 +0.6 Population Density: Large MSA 6.0 6.0 5.3 6.1 5.6 4.5 3.9 3.3 3.2 3.2 2.2 2.2 1.9 2.5 +0.6 Other MSA 6.4 6.8 5.4 4.2 3.6 3.4 2.7 2.4 2.1 2.6 2.6 -0.1 6.4 6.2 3.1 Non-MSA 7.1 5.9 6.4 4.9 5.2 3.7 4.2 2.9 2.9 2.9 2.5 4.0 +1.5 Parental Education: a 1.0-2.0 (Low) +2.4 ss 6.9 9.3 7.1 9.0 6.0 4.6 5.7 2.9 2.0 1.0 3 4 8.7 5.4 4.1 2.5-3.0 6.2 7.5 6.7 7.4 6.9 5.4 4.7 4.5 4.7 3.5 2.3 2.4 2.4 4.2 +1.8 s 3.5-4.0 7.1 7.0 6.3 6.5 5.7 4.5 3.9 3.8 3.3 3.2 2.6 2.7 2.9 2.0 -0.9 4.5-5.0 4.8 3.7 2.3 5.5 5.8 5.0 4.9 3.9 2.9 2.7 2.2 2.3 3.1 2.4 -0.7 5.5-6.0 (High) 3.8 2.3 1.9 2.9 1.5 1.7 +1.6 s 7.5 5.4 4.5 4.8 4.4 3.6 2.3 3.2 Race/Ethnicity (2-year average): b 6.8 7.1 6.5 5.7 4.8 4.1 3.6 3.2 2.9 2.5 2.3 2.3 2.7 +0.4 5.9 African American 2.9 2.9 2.9 3.2 3.1 2.9 2.4 2.6 3.1 2.7 1.9 2.0 2.8 3.0 +0.2 Hispanic 6.4 6.4 7.2 7.9 7.5 6.8 5.7 4.8 4.2 3.7 2.8 2.2 1.9 2.1 +0.2

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

 $^{^{\}circ}$ Beginning in 2014 data are based on three of four forms; N is two thirds of N indicated.

TABLE 24
INHALANTS: ^a Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

_						Pe	rcentage	who use	ed in last	12 mont	hs					
	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>
Approximate weighted N =	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200
Total	_	3.0	3.7	4.1	5.4	4.6	4.1	4.5	4.3	5.1	5.7	6.1	6.9	6.5	5.9	6.9
Adjusted	_	_	_	_	8.9	7.9	6.1	6.6	6.2	7.2	7.5	8.9	8.1	7.1	6.9	7.5
Gender:																
Male	_	3.8	5.1	5.6	6.7	5.9	5.1	5.8	5.8	6.5	6.9	7.8	8.3	8.2	7.8	8.8
Female	_	2.0	2.4	2.8	4.2	3.5	3.2	3.1	2.8	3.8	4.5	4.7	5.6	4.9	4.0	4.9
College Plans:																
None or under 4 years	_	3.6	4.7	5.0	6.3	5.0	4.3	4.9	4.7	5.8	5.8	7.7	8.0	8.1	7.1	7.8
Complete 4 years	_	2.2	2.9	3.4	4.5	4.3	4.0	4.1	3.9	4.7	5.7	5.2	6.4	6.0	5.4	6.4
Region:																
Northeast	_	3.2	4.1	4.4	6.4	6.0	5.2	6.2	5.0	6.1	8.0	5.6	6.7	6.0	6.3	7.4
Midwest	_	2.6	4.2	4.8	5.9	4.6	3.8	3.6	4.5	5.0	5.8	6.7	8.6	7.2	6.7	8.0
South	_	3.8	3.3	3.6	4.3	3.4	3.2	3.8	3.8	4.6	4.2	5.7	6.1	6.8	5.5	6.4
West	_	1.7	3.0	3.6	4.9	4.9	4.7	4.4	4.3	5.3	5.4	6.6	6.2	5.6	4.8	5.7
Population Density:																
Large MSA	_	2.9	3.4	3.4	5.1	5.7	4.7	5.5	4.8	5.3	5.9	5.2	6.0	6.5	5.1	6.7
Other MSA	_	2.6	3.6	3.7	4.8	4.2	4.0	3.9	4.4	5.0	5.9	6.3	6.9	6.0	5.8	6.8
Non-MSA	_	3.4	4.2	5.3	6.2	4.4	3.7	4.4	3.9	5.2	5.4	6.6	7.8	7.5	6.8	7.4
Parental Education: ^c																
1.0-2.0 (Low)	_	3.7	3.9	4.5	5.2	3.6	3.6	3.2	3.1	4.5	4.2	4.9	4.6	5.3	5.9	5.0
2.5–3.0	_	3.1	4.1	4.0	5.0	4.8	4.0	4.8	4.0	5.2	5.6	6.1	6.8	6.3	5.5	6.9
3.5-4.0	_	3.1	3.4	4.1	5.1	4.7	4.0	4.6	4.9	5.6	5.5	6.2	7.1	5.8	6.1	7.2
4.5–5.0	_	2.7	3.0	3.9	5.8	4.3	4.4	4.4	5.2	5.0	7.0	6.9	7.2	7.0	5.7	7.4
5.5-6.0 (High)	_	3.7	4.2	5.0	7.2	5.8	4.9	6.0	4.7	5.6	6.8	6.4	8.7	9.1	6.8	7.6
Race/Ethnicity (2-year average): d																
White	_	_	3.6	4.3	5.1	5.3	4.7	4.7	4.8	5.1	5.9	6.5	7.3	7.6	7.0	7.2
African American	_	_	1.5	1.3	2.1	2.2	2.1	1.9	1.8	2.2	2.0	2.1	3.0	3.1	2.2	2.1
Hispanic	_	_	2.7	3.0	2.9	2.9	3.5	4.1	3.4	4.6	6.5	5.5	4.6	4.1	4.7	4.8

TABLE 24 (cont.)

INHALANTS: ^a Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

						Pe	ercentage	who us	ed in last	12 mont	hs					
	<u>1991</u>	1992	1993	1994	<u>1995</u>	<u>1996</u>	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Approximate weighted N =	15,000	15,800	16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200
Total	6.6	6.2	7.0	7.7	8.0	7.6	6.7	6.2	5.6	5.9	4.5	4.5	3.9	4.2	5.0	4.5
Adjusted ^b	6.9	6.4	7.4	8.2	8.4	8.5	7.3	7.1	6.0	6.2	4.9	4.9	4.5	4.6	5.4	4.7
Gender:																
Male	8.2	8.0	9.2	9.6	9.9	9.1	8.3	7.5	6.5	6.8	5.5	5.8	5.2	4.8	6.2	5.1
Female	5.0	4.5	4.8	6.0	6.2	6.1	5.2	5.1	4.9	5.1	3.5	3.3	2.9	3.4	4.1	3.9
College Plans:																
None or under 4 years	7.7	7.7	8.0	9.0	9.7	8.2	8.0	7.9	6.5	6.7	6.6	6.3	5.1	5.6	7.3	6.8
Complete 4 years	6.3	5.7	6.7	7.4	7.4	7.3	6.5	5.7	5.4	5.5	3.9	4.2	3.5	3.8	4.6	3.9
Region:																
Northeast	6.7	6.0	8.9	10.3	10.3	10.8	9.4	8.0	6.2	6.3	5.7	5.4	5.1	4.3	6.0	5.9
Midwest	8.6	7.4	6.3	9.5	8.6	7.6	6.9	7.6	6.3	5.5	5.0	5.6	3.7	3.8	5.6	4.8
South	5.0	4.8	6.5	6.2	7.0	6.5	5.6	5.1	5.2	5.5	3.4	4.1	3.5	4.1	4.6	3.6
West	6.8	7.5	7.0	5.7	6.7	6.0	5.4	4.7	4.9	6.7	4.8	3.2	3.6	4.6	4.3	4.7
Population Density:																
Large MSA	5.2	6.0	7.4	7.6	8.5	7.8	5.9	5.5	4.8	6.3	4.4	4.4	3.5	4.0	5.0	4.1
Other MSA	7.8	6.6	7.3	7.7	7.8	7.9	6.5	6.1	5.3	4.9	4.3	4.4	4.4	4.1	5.1	4.5
Non-MSA	5.8	5.6	6.0	7.6	7.8	7.0	8.1	7.4	6.9	7.2	5.2	4.8	3.7	4.3	4.9	5.2
Parental Education: ^c																
1.0-2.0 (Low)	6.1	4.2	4.3	5.3	7.5	5.8	5.4	6.3	4.8	4.0	3.2	5.7	3.4	4.6	5.2	5.0
2.5–3.0	6.6	6.7	6.0	7.8	8.0	7.9	6.3	6.0	5.4	5.2	5.7	4.3	3.8	4.9	5.7	4.8
3.5–4.0	6.1	6.3	7.7	7.1	6.7	7.8	7.1	7.3	6.1	6.1	4.2	4.5	3.9	5.0	4.8	4.7
4.5–5.0	7.4	6.3	7.6	8.9	8.9	7.4	7.9	5.3	5.6	5.9	3.8	4.7	4.4	3.4	5.8	4.3
5.5-6.0 (High)	7.1	6.7	9.4	9.7	9.7	8.5	6.0	6.2	6.1	7.5	5.8	4.6	4.0	3.2	3.0	3.9
Race/Ethnicity (2-year average): d																
White	7.6	7.2	7.6	8.6	9.1	9.0	8.6	7.9	7.0	6.4	5.9	5.2	4.9	4.7	5.1	5.3
African American	2.7	2.5	2.2	2.4	2.6	2.2	1.9	1.7	1.4	1.9	2.2	1.9	1.5	1.3	1.9	1.9
Hispanic	5.4	6.0	5.7	5.5	5.8	5.9	4.7	4.5	5.5	6.3	4.5	3.4	2.7	2.9	5.3	5.7

TABLE 24 (cont.)

INHALANTS: ^a Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

	-				Percer	ntage wh	o used in	ı last 12 ı	months					
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2018-2019 <u>change</u>
Approximate weighted N =		14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11.800	12,600	13.300	12.900	onango
Total	3.7	3.8	3.4	3.6	3.2	2.9	2.5	1.9	1.9	1.7	1.5	1.6	1.9	+0.3
Adjusted ^b	4.1	4.0	4.1	_	_	_	_	_	_	_	_	_	_	_
Gender:														
Male	3.9	4.4	3.6	4.7	3.3	3.1	2.9	2.1	2.1	1.5	1.4	1.8	2.2	+0.4
Female	3.4	3.2	3.2	2.5	3.0	2.6	2.2	1.8	1.6	1.7	1.6	1.2	1.5	+0.3
College Plans:														
None or under 4 years	4.4	6.1	4.7	4.5	6.2	3.7	3.9	3.1	4.1	2.2	2.7	2.1	3.7	+1.6 s
Complete 4 years	3.5	3.3	3.1	3.4	2.6	2.6	2.2	1.7	1.4	1.5	1.3	1.4	1.3	-0.1
Region:														
Northeast	3.9	3.5	3.7	3.4	3.1	3.8	2.6	1.9	1.4	2.0	1.4	2.0	1.9	-0.1
Midwest	3.9	3.0	3.7	3.9	3.2	2.5	2.3	2.4	1.5	1.7	1.3	1.1	2.3	+1.2 s
South	3.4	3.7	3.1	3.6	2.7	2.2	2.0	1.8	2.4	1.6	1.8	1.7	1.7	-0.1
West	3.7	5.0	3.5	3.8	4.0	3.4	3.3	1.7	1.8	1.5	1.4	1.6	2.0	+0.4
Population Density:														
Large MSA	2.8	3.1	2.4	4.0	3.3	3.2	2.6	1.7	1.4	1.5	1.3	1.5	2.3	+0.8
Other MSA	3.8	3.7	3.8	3.5	3.0	2.7	2.4	2.0	1.9	1.6	1.6	1.5	1.7	+0.1
Non-MSA	4.7	4.7	3.9	3.4	3.5	2.8	2.6	2.1	2.7	2.1	1.7	1.8	1.8	0.0
Parental Education: °														
1.0–2.0 (Low)	3.6	3.6	3.6	3.0	4.3	3.0	2.7	2.6	2.4	1.7	2.3	0.7	1.9	+1.1
2.5–3.0	3.8	3.6	4.1	3.5	3.4	3.4	3.0	1.5	2.2	0.7	1.1	2.0	2.2	+0.3
3.5–4.0	3.9	4.4	3.1	3.6	3.8	2.3	2.7	1.8	2.1	2.0	1.9	1.9	2.1	+0.2
4.5–5.0	3.7	3.6	3.9	3.9	2.3	3.1	1.9	2.1	1.4	2.0	0.8	1.6	1.3	-0.3
5.5–6.0 (High)	3.4	3.4	1.9	3.2	2.0	2.8	2.2	2.1	1.5	1.8	1.9	1.2	1.9	+0.7
Race/Ethnicity (2-year average): d														
White	4.7	4.3	4.1	3.8	3.5	3.0	2.6	2.3	1.9	1.6	1.4	1.5	1.8	+0.3
African American	1.6	1.5	1.6	2.0	2.2	1.9	2.0	2.1	1.9	1.8	1.9	1.6	1.9	+0.2
Hispanic	4.3	3.3	3.0	3.6	4.5	4.1	3.7	2.8	2.0	2.1	1.8	1.5	1.3	-0.2

Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on four of five forms in 1976–1988; N is four fifths of N indicated in Table S3. Data based on three of six forms beginning in 1999; N is three sixths of N indicated in Table S3.

^aAll data are unadjusted for underreporting of amyl and butyl nitrites, except where otherwise noted.

^bAdjusted for underreporting of amyl and butyl nitrites. See text for details.

^cParental education is an average score of mother's education and father's education. See appendix B for details.

^dTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 25

HALLUCINOGENS: Trends in Annual Prevalence of Use by Subgroups in Grade 8

						Percer	ntage wh	o used ir	n last 12	months					
	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	2001 ^a	2002 15.100	<u>2003</u>	<u>2004</u>	<u>2005</u>
Approximate weighted N = Total	17,500	18,600 2.5	18,300 2.6	17,300 2.7	17,500 3.6	17,800 4.1	18,600 3.7	18,100 3.4	16,700 2.9	16,700 2.8‡	16,200 3.4	2.6	16,500 2.6	17,000 2.2	16,800 2.4
Gender:	1.5	2.0	2.0	2.1	5.0	4.1	5.7	5.4	2.5	2.04	5.4	2.0	2.0	2.2	2.4
Male	2.2	2.6	2.8	3.0	4.0	4.3	4.0	3.7	3.3	3.2‡	3.8	2.9	2.9	2.3	2.5
Female	1.6	2.3	2.3	2.4	3.3	3.7	3.2	2.9	2.4	2.5‡	2.9	2.2	2.3	2.1	2.2
College Plans:		2.0	2.0		0.0	0	0.2	2.0		2.04	2.0		2.0		
None or under 4 years	5.1	7.2	7.1	6.7	9.6	9.6	10.1	9.2	9.4	7.7±	9.5	7.8	8.7	7.8	7.6
Complete 4 years	1.4	1.8	1.9	2.2	2.9	3.2	2.9	2.7	2.1	2.3‡	2.6	2.0	1.9	1.7	1.8
Region:															
Northeast	1.5	1.6	1.9	2.9	3.4	3.7	2.8	2.4	2.6	2.3‡	2.9	1.5	2.5	2.0	1.9
Midwest	1.6	2.4	1.7	2.2	3.8	3.9	3.8	3.5	3.4	3.5‡	2.7	2.7	2.6	1.9	2.2
South	1.9	2.7	2.8	2.4	3.3	3.9	3.4	3.7	2.9	2.7‡	4.0	2.9	2.6	2.4	2.9
West	2.8	3.2	4.2	3.9	4.2	5.1	4.8	3.5	2.4	2.7‡	3.3	2.9	2.7	2.6	2.3
Population Density:															
Large MSA	2.1	2.2	2.2	3.1	4.0	3.8	3.3	2.9	2.5	2.3‡	2.7	2.0	2.2	1.9	2.2
Other MSA	2.0	3.0	3.1	3.1	3.8	4.8	4.0	3.4	3.1	3.0‡	3.6	2.4	2.5	2.6	2.4
Non-MSA	1.5	2.0	1.8	1.6	3.0	3.2	3.5	3.8	2.8	3.2‡	3.6	3.5	3.3	2.1	2.7
Parental Education: b															
1.0-2.0 (Low)	3.9	3.7	3.5	3.1	5.1	4.8	5.0	5.0	4.8	5.4‡	5.9	4.4	4.3	4.8	3.4
2.5–3.0	2.2	2.3	2.7	2.8	3.8	4.7	3.9	3.4	3.5	3.2‡	3.9	3.2	3.2	2.5	3.3
3.5-4.0	1.6	2.5	2.8	2.8	4.1	4.1	3.8	3.7	2.8	2.8‡	3.7	2.6	2.6	2.1	3.0
4.5–5.0	1.6	2.0	2.3	2.8	3.2	4.0	3.4	3.0	2.1	2.1‡	2.4	2.1	2.0	2.0	1.8
5.5-6.0 (High)	1.4	2.4	2.0	2.5	3.2	3.5	3.5	3.1	2.5	3.1‡	2.3	1.7	1.9	1.7	1.1
Race/Ethnicity (2-year average): c															
White	_	2.2	2.6	2.8	3.6	4.5	4.5	3.9	3.2	3.1	2.9‡	2.7 ^d	2.8	2.5	2.4
African American	_	0.7	0.7	0.6	0.6	0.7	0.7	0.7	0.6	0.7	0.7‡	0.7^d	0.9	1.2	1.3
Hispanic	_	3.8	4.1	4.0	4.0	4.1	4.2	4.6	4.5	4.0	3.4‡	3.6 ^d	2.9	2.9	2.7

TABLE 25 (cont.) **HALLUCINOGENS:** Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 8</u>

					Pe	rcentage	e who us	ed in las	t 12 mon	iths					
															2018-2019
	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	change
Approximate weighted N =					15,300	16,000	15,100	14,600	14,600	14,400		15,300	14,000	13,600	
Total	2.1	1.9	2.1	1.9	2.2	2.2	1.6	1.6	1.3	1.3	1.2	1.1	1.4	1.3	-0.1
Gender:															
Male	2.1	2.1	2.2	2.0	2.5	2.6	1.7	1.7	1.5	1.3	1.3	1.1	1.5	1.2	-0.3
Female	2.0	1.8	2.0	1.8	2.0	1.7	1.5	1.6	1.0	1.2	1.1	1.1	1.1	1.4	+0.3
College Plans:															
None or under 4 years	6.7	6.9	8.4	7.4	6.9	7.7	5.2	5.3	4.1	3.8	3.5	2.9	3.9	3.3	-0.6
Complete 4 years	1.6	1.5	1.6	1.4	1.8	1.8	1.3	1.4	1.0	1.1	0.9	0.9	1.0	1.0	+0.1
Region:															
Northeast	1.4	1.0	1.4	1.4	1.8	1.1	1.5	1.0	0.6	0.6	8.0	8.0	0.7	0.5	-0.2
Midwest	1.9	2.0	2.0	1.9	2.5	1.8	8.0	1.5	1.0	1.3	0.9	0.6	0.9	1.3	+0.4
South	2.3	1.7	2.3	1.8	1.9	2.0	2.0	1.8	1.3	1.4	1.5	1.2	1.3	1.1	-0.1
West	2.4	2.8	2.5	2.3	3.0	3.9	1.8	1.9	1.9	1.6	1.3	1.7	2.4	2.0	-0.4
Population Density:															
Large MSA	1.4	1.5	2.1	1.5	1.9	2.0	1.7	1.5	1.1	1.1	1.3	1.0	1.8	0.9	-0.9 ss
Other MSA	2.4	2.0	2.3	2.1	2.6	2.6	1.8	1.7	1.4	1.6	1.1	1.3	1.2	1.4	+0.2
Non-MSA	2.5	2.4	1.7	2.0	2.1	1.7	1.1	1.5	1.4	0.9	1.5	1.1	1.0	1.5	+0.5
Parental Education: b															
1.0-2.0 (Low)	2.9	3.0	4.2	3.9	3.1	3.7	2.5	2.3	2.1	2.0	2.4	1.9	2.0	2.2	+0.1
2.5-3.0	2.6	2.0	2.4	1.8	2.8	3.2	1.9	1.8	1.4	1.1	1.6	1.4	1.8	2.2	+0.3
3.5-4.0	2.3	2.3	2.1	2.0	2.4	2.3	2.0	1.5	1.5	1.5	1.3	1.2	1.6	1.4	-0.2
4.5–5.0	1.9	1.6	1.7	1.6	2.0	1.6	1.0	1.4	0.7	1.0	0.6	0.8	1.0	0.9	-0.1
5.5-6.0 (High)	1.5	1.1	1.9	1.5	1.4	1.4	1.2	1.6	1.3	8.0	0.8	0.8	0.8	0.9	+0.1
Race/Ethnicity (2-year average): c															
White	2.5	2.2	2.1	2.1	2.1	2.1	1.6	1.3	1.2	1.0	1.0	1.0	1.1	1.1	0.0
African American	1.1	0.7	8.0	8.0	0.7	0.9	1.1	1.2	0.9	0.7	1.0	0.9	0.7	8.0	+0.1
Hispanic	1.8	2.1	2.5	2.4	2.7	3.1	2.8	2.1	1.8	1.5	1.7	1.5	1.5	1.8	+0.3

Notes. '‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aIn 2001 the question text was changed on half of the questionnaire forms. Other psychedelics was changed to other hallucinogens, and shrooms was added to the list of examples. The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^dDue to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 26
HALLUCINOGENS: Trends in Annual Prevalence of Use by Subgroups in Grade 10

						Percer	ntage wh	o used ii	n last 12	months					
Approximate weighted N =	<u>1991</u>	<u>1992</u> 14,800	1993 15,300	<u>1994</u> 15,800	<u>1995</u> 17.000	<u>1996</u> 15,600	<u>1997</u> 15,500	<u>1998</u> 15,000	1999 13,600	2000 14,300	2001 ^a	2002 14.300	2003 15.800	2004 16.400	2005 16,200
Total	4.0	4.3	4.7	5.8	7.2	7.8	7.6	6.9	6.9	6.1‡	6.2	4.7	4.1	4.1	4.0
Gender:										·					
Male	4.4	4.7	5.7	6.6	8.1	8.5	8.7	7.4	8.1	7.2‡	7.9	5.5	4.9	4.6	4.8
Female	3.6	3.8	3.6	4.8	6.1	7.0	6.4	6.3	5.7	4.9‡	4.6	3.9	3.4	3.5	3.1
College Plans:															
None or under 4 years	7.5	7.5	9.1	10.4	12.5	14.5	13.6	14.2	14.3	12.3‡	15.0	10.3	8.9	9.3	9.4
Complete 4 years	3.3	3.6	3.7	4.8	6.2	6.6	6.5	5.6	5.7	5.1‡	4.8	3.9	3.3	3.3	3.2
Region:															
Northeast	4.0	2.7	4.7	5.8	5.6	7.7	6.2	8.1	8.6	5.8‡	6.0	4.2	4.0	4.7	5.0
Midwest	3.4	4.3	4.6	5.7	7.8	9.0	7.0	5.6	6.7	6.1‡	6.0	5.1	3.5	3.7	3.9
South	3.6	3.9	3.6	5.1	7.3	7.5	8.3	7.6	6.5	5.7‡	5.3	4.0	3.9	3.6	3.5
West	5.2	6.5	6.7	7.1	7.6	6.6	8.5	6.1	6.1	6.9‡	8.7	5.9	5.0	4.7	3.7
Population Density:															
Large MSA	4.1	4.6	4.9	6.0	7.1	8.6	7.8	6.3	5.8	7.5‡	5.0	4.7	3.2	2.9	3.4
Other MSA	4.8	4.4	4.9	6.4	8.0	8.2	7.9	7.6	7.8	5.8‡	6.6	4.9	4.4	5.0	4.3
Non-MSA	2.5	3.7	4.1	4.4	5.5	6.0	6.7	6.3	6.5	5.1‡	6.8	4.4	4.6	3.9	4.2
Parental Education: b															
1.0-2.0 (Low)	3.7	4.9	6.0	6.1	7.7	8.0	6.5	8.3	7.0	5.2‡	6.4	5.3	6.5	3.2	3.7
2.5–3.0	4.3	4.2	4.5	5.5	7.6	8.5	7.3	8.2	8.1	5.8‡	6.7	5.2	4.7	4.8	4.5
3.5–4.0	3.7	4.6	4.8	5.9	7.6	8.6	8.2	6.6	6.6	6.7‡	6.1	4.8	4.0	3.9	4.0
4.5-5.0	4.1	3.8	4.5	5.5	6.6	6.9	8.2	6.1	6.6	6.3‡	6.0	4.0	3.5	3.7	4.0
5.5-6.0 (High)	4.6	4.2	4.6	6.2	6.5	7.2	6.8	6.0	6.5	6.2‡	5.8	5.2	3.4	4.1	3.7
Race/Ethnicity (2-year average): c															
White	_	4.9	5.1	5.6	7.1	8.6	8.9	8.4	8.2	7.6	6.6‡	5.6 ^d	5.3	4.9	4.7
African American	_	0.2	0.6	1.1	1.2	0.9	1.0	1.1	1.0	1.0	1.3‡	1.4 ^d	1.0	8.0	1.2
Hispanic	_	3.6	4.5	5.7	6.3	6.6	7.3	7.3	6.4	5.2	4.4‡	4.5 ^d	3.9	3.8	4.0

TABLE 26 (cont.)

HALLUCINOGENS: Trends in Annual Prevalence of Use by Subgroups in Grade 10

					Pe	rcentage	who us	ed in las	t 12 mor	iths					
															2018-2019
Approximate weighted N =	<u>2006</u>	2007 16.100	2008 15.100	2009 15.900	2010 15.200	2011 14.900	2012 15,000	2013 12.900	2014 13.000	2015 15.600	2016 14,700	2017 13.500	2018 14.300	<u>2019</u>	<u>change</u>
Approximate weighted N = Total	4.1	4.4	3.9	4.1	4.2	4.1	3.5	3.4	3.3	3.1	2.9	2.8	2.7	14,000 3.1	+0.4
Gender:	4.1	4.4	3.9	4.1	4.2	4.1	3.5	3.4	3.3	3.1	2.9	2.0	2.1	3.1	+0.4
Male	4.5	5.4	4.7	5.0	5.2	4.9	4.6	4.4	3.3	3.4	3.5	3.4	3.2	4.0	+0.8
	3.5	3.4	3.1		3.0	3.2	2.5	2.4	3.4	2.5	2.3	2.2	2.1	2.2	+0.0
Female College Plans:	3.5	3.4	3.1	3.1	3.0	3.2	2.5	2.4	3.4	2.5	2.3	2.2	2.1	2.2	+0.1
•	40.0	10.0	10.4	10.5	11.0	10.3	10.5	6.5	8.3	7.0	6.8	7.5	6.0	5.5	-0.5
None or under 4 years	10.0														
Complete 4 years	3.3	3.6	3.1	3.4	3.4	3.4	2.9	3.1	2.8	2.6	2.4	2.2	2.2	2.5	+0.3
Region:															
Northeast	4.0	4.4	3.5	3.4	4.0	4.0	3.0	2.7	3.4	3.2	2.1	1.6	2.1	1.9	-0.2
Midwest	4.1	4.7	3.8	4.4	3.5	3.5	3.2	2.9	3.2	2.2	2.6	3.0	2.6	3.0	+0.4
South	3.5	3.6	4.1	3.8	4.2	4.0	3.4	3.4	3.3	3.5	2.7	2.2	2.9	2.9	0.0
West	5.1	5.1	4.2	4.9	5.1	5.0	4.5	4.4	3.3	3.2	4.2	4.4	3.0	4.5	+1.5
Population Density:															
Large MSA	4.1	3.9	3.9	4.0	3.9	4.0	3.4	2.6	2.8	2.7	2.9	2.8	2.6	3.0	+0.4
Other MSA	4.1	4.7	4.2	4.3	4.3	4.4	3.7	3.9	3.7	3.4	3.0	2.8	2.8	3.2	+0.3
Non-MSA	3.8	4.2	3.4	3.8	4.1	3.7	3.4	3.2	3.4	2.8	2.7	2.8	2.6	3.3	+0.7
Parental Education: b															
1.0–2.0 (Low)	5.3	5.4	5.0	5.8	5.3	5.7	4.9	4.4	3.0	3.9	2.9	2.9	3.5	3.4	-0.1
2.5–3.0	4.5	4.6	4.1	3.9	5.6	4.6	4.5	4.0	3.5	4.1	3.8	3.8	3.0	3.7	+0.7
3.5-4.0	3.8	4.5	4.2	4.3	4.2	4.1	3.3	3.9	4.3	3.7	3.0	3.3	2.7	3.5	+0.8
4.5–5.0	3.9	4.2	3.3	3.6	3.5	3.5	3.2	2.9	2.7	2.5	2.5	2.4	2.3	2.5	+0.1
5.5-6.0 (High)	4.0	3.9	3.3	4.5	3.3	3.5	2.8	3.0	2.7	2.0	2.6	2.0	2.8	2.4	-0.4
Race/Ethnicity (2-year average): °															
White	4.7	4.9	4.8	4.5	4.5	4.4	4.1	3.6	3.5	3.3	3.2	3.2	3.0	3.1	+0.1
African American	1.4	1.0	1.1	1.4	1.6	1.4	1.4	1.5	1.5	2.0	1.6	1.0	8.0	1.0	+0.2
Hispanic	3.5	2.8	3.6	4.3	4.3	4.5	4.2	3.5	3.1	3.0	3.0	3.0	3.0	3.3	+0.3

Notes. '‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

aln 2001 the question text was changed on half of the questionnaire forms. Other psychedelics was changed to other hallucinogens, and shrooms was added to the list of examples.

The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^dDue to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE 27

HALLUCINOGENS: ^a Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

						Pe	rcentage	who us	ed in las	t 12 mor	ths					
Approximate weighted N =	<u>1975</u> 9,400	<u>1976</u> 15,400	<u>1977</u> 17,100	<u>1978</u> 17,800	<u>1979</u> 15,500	<u>1980</u> 15,900	<u>1981</u> 17,500	<u>1982</u> 17,700	<u>1983</u> 16,300	<u>1984</u> 15,900	<u>1985</u> 16,000	<u>1986</u> 15,200	<u>1987</u> 16,300	<u>1988</u> 16,300	<u>1989</u> 16,700	<u>1990</u> 15,200
Total	11.2	9.4	8.8	9.6	9.9	9.3	9.0	8.1	7.3	6.5	6.3	6.0	6.4	5.5	5.6	5.9
Adjusted ^b	_	_	_	_	11.8	10.4	10.1	9.0	8.3	7.3	7.6	7.6	6.7	5.8	6.2	6.0
Gender:																
Male	13.7	11.6	10.8	11.6	11.8	11.7	10.9	9.6	8.6	7.9	8.1	7.2	7.5	7.2	7.4	7.7
Female	9.0	6.9	6.5	7.3	7.6	6.7	6.8	6.1	5.5	4.7	4.4	4.7	5.2	3.7	3.6	3.8
College Plans:																
None or under 4 years	_	11.2	10.6	11.0	11.3	11.2	10.7	9.5	8.9	8.3	7.7	7.4	7.9	6.4	7.1	6.6
Complete 4 years	_	6.9	6.4	7.3	7.5	7.1	7.4	6.2	5.4	4.7	5.0	4.7	5.4	4.7	4.8	5.3
Region:																
Northeast	13.2	10.9	10.6	13.0	12.9	12.2	12.9	11.4	8.7	11.3	9.9	7.9	7.5	5.8	5.6	6.6
Midwest	13.0	10.3	9.7	10.7	11.1	11.3	10.3	9.1	8.9	6.0	6.8	6.6	6.9	5.3	6.6	5.7
South	8.5	7.4	6.8	6.3	5.7	5.4	4.1	4.6	5.2	3.9	3.2	3.3	4.8	5.2	4.9	5.0
West	10.2	9.3	8.2	9.6	11.0	9.2	10.4	7.8	6.3	7.0	6.3	7.2	7.4	6.0	5.5	6.9
Population Density:																
Large MSA	13.9	11.1	9.9	11.9	12.3	11.6	12.0	10.9	9.2	8.8	8.3	7.6	7.9	6.5	5.4	5.7
Other MSA	12.1	9.8	9.1	9.3	10.5	9.8	9.0	7.6	7.6	6.3	6.1	5.9	6.3	6.0	5.9	6.6
Non-MSA	8.5	7.7	7.5	8.3	7.1	7.1	6.8	6.5	5.3	5.0	5.0	4.9	5.3	3.5	5.0	4.5
Parental Education: ^c																
1.0-2.0 (Low)	8.9	7.4	6.8	7.7	7.1	8.0	6.7	6.5	6.5	5.4	4.8	5.4	5.8	4.9	4.2	3.8
2.5–3.0	10.2	10.0	9.1	9.6	9.6	9.5	8.9	8.0	6.8	6.7	6.4	6.0	6.2	4.2	4.9	4.6
3.5-4.0	10.9	9.8	9.2	9.7	9.7	9.2	9.2	8.6	7.7	6.3	7.2	6.3	6.0	4.8	5.6	6.5
4.5–5.0	11.1	10.1	8.8	10.2	10.9	9.1	9.4	7.8	7.0	5.9	6.2	5.5	6.8	6.7	6.6	6.8
5.5-6.0 (High)	8.9	9.4	9.5	10.2	11.7	9.9	10.6	9.0	7.0	7.6	4.3	5.9	7.2	7.2	7.0	8.2
Race/Ethnicity (2-year average): d																
White	_	_	9.8	9.9	10.5	10.3	10.0	9.3	8.3	7.5	7.0	6.7	6.8	6.8	6.4	6.7
African American	_	_	2.4	2.3	2.0	1.9	1.9	1.8	2.2	1.7	1.2	1.6	1.5	1.0	0.9	0.8
Hispanic	_	_	7.9	7.2	7.0	7.1	7.0	7.7	6.6	5.2	5.7	5.7	5.0	4.0	3.2	3.3

TABLE 27 (cont.)

HALLUCINOGENS: ^a Trends in Annual Prevalence of Use by Subgroups in Grade 12

Percentage who used in last 12 months 2001^e 1991 1992 1993 1994 1995 1996 1997 1998 1999 2002 2003 2004 2006 Approximate weighted N = 15,00016,300 15,400 15,400 14,300 15,400 15,200 13,600 12,800 12,800 12,900 14,600 14,600 14,700 14,200 15,800 Total 5.8 5.9 7.4 7.6 9.3 10.1 9.8 9.0 9.4 8.1‡ 9.1 6.6 5.9 6.2 5.5 4.9 Adjusted 6.1 7.8 9.7 10.7 10.0 9.2 9.8 8.7‡ 6.5 6.4 5.9 6.2 7.8 9.7 7.2 5.3 Gender: Male 7.5 7.1 8.9 9.2 11.9 12.4 12.0 11.0 11.4 9.6‡ 11.1 7.8 8.4 7.4 6.2 Female 3.9 4.7 7.3 7.4 6.8 7.4 6.3‡ 3.6 College Plans: None or under 4 years 7.0 7.8 8.1 8.4 11.9 12.1 11.3 12.0 10.5 10.3‡ 10.4 8.2 7.7 7.8 6.9 8.2 9.0 9.0 7.8 8.7 7.0‡ 8.0 5.5 5.0 4.7 4.4 Complete 4 years 5.3 5.1 7.0 5.4 Region: 9.8 Northeast 7.0 7.1 9.0 9.0 10.1 13.3 13.9 10.7 9.8 9.3‡ 9.1 7.8 7.0 5.5 7.1 Midwest 6.5 5.9 6.8 8.1 9.2 8.8 7.6 8.4 9.8 7.0‡ 11.4 6.4 5.4 5.3 6.7 4.9 South 3.7 4.7 5.9 6.7 8.8 8.9 9.2 8.5 8.6 6.9‡ 5.8 5.6 4.9 5.7 5.2 4.1 9.2 9.1 6.3 7.4 4.4 West 7.3 7.3 7.1 9.6 10.5 9.5 10.0 10.5‡ 10.8 6.2 4.3 Population Density: Large MSA 7.3 11.0 10.5 8.8 8.7 8.9‡ 11.5 4.4 5.6 5.5 6.0 5.1 6.2 8.1 8.4 6.8 Other MSA 7.7 6.0 8.1 8.6 9.5 11.4 11.2 9.9 10.4 8.3‡ 8.7 7.2 7.2 7.2 5.9 4.5 Non-MSA 3.3 5.5 6.3 5.1 7.0 7.4 8.3 7.4 8.8 7.0‡ 7.3 5.2 5.5 4.8 4.5 4.1 Parental Education: c 7.3 1.0-2.0 (Low) 4.9 3.6 4.9 5.0 7.2 7.4 7.9 9.0 7.0‡ 6.3 5.1 5.3 4.9 3.0 4.9 2.5-3.0 8.7 7.4‡ 4.9 5.7 4.9 5.6 5.9 7.0 8.8 8.5 8.8 8.6 9.1 6.6 5.6 5.1 3.5-4.0 6.2 6.0 7.5 8.0 9.5 10.3 9.9 9.5 10.6 8.2‡ 9.4 7.1 6.4 6.6 5.4 5.1 4.5-5.0 5.7 6.1 6.2 8.9 7.7 9.6 10.5 10.4 8.6 9.3 7.7‡ 8.6 6.7 6.5 6.4 4.6 5.5-6.0 (High) 7.3 7.4 8.9 9.0 9.5 11.4 11.6 9.4 8.4 9.6‡ 5.9 5.3 6.1 5.7 4.6 Race/Ethnicity (2-year average): d White 8.4^f 9.0‡ 7.2 7.0 6.7 6.8 6.9 7.9 8.6 9.5 10.8 11.6 11.3 10.7 9.9 6.0 1.2^f African American 0.6 0.7 8.0 1.2 1.2 1.7 1.9 1.4 1.2 1.6 1.4‡ 1.3 1.2 1.3 1.5

7.3

6.8

7.9

9.6

Hispanic

4.4

4.6

5.3

5.8

7.1

8.3

Table continued on next page.

6.0^f

4.6

4.1

3.9

3.8

7.8‡

TABLE 27 (cont.)

HALLUCINOGENS: ^a Trends in Annual Prevalence of Use by Subgroups in Grade 12

					Percer	tage wh	o used ir	ı last 12	months					
Approximate weighted N =	2007 14,500	2008 14,000	2009 13,700	2010 14,400	<u>2011</u> 14,100	2012 13,700	2013 12,600	2014 ⁹ 12,400	2015 ⁹ 12,900	2016 ⁹ 11,800	2017 ⁹ 12,600	2018 ⁹ 13,300	2019 ⁹ 12,900	2018-2019 <u>change</u>
Total	5.4	5.9	4.7	5.5	5.2	4.8	4.5	4.0	4.2	4.3	4.4	4.3	4.6	+0.3
Adjusted ^b	5.8	6.1	5.2	6.0	5.8	5.0	4.9	_	_	_	_	_	_	_
Gender:														
Male	7.5	7.8	6.2	7.9	7.0	6.0	5.9	5.5	5.2	5.7	5.9	5.8	6.1	+0.3
Female	3.3	3.9	3.1	2.9	3.3	3.1	2.8	2.6	2.9	2.8	3.0	2.3	2.7	+0.4
College Plans:														
None or under 4 years	8.3	8.4	5.6	8.4	7.7	5.8	6.0	5.8	6.1	4.7	6.1	6.7	6.6	-0.1
Complete 4 years	4.6	5.2	4.3	4.8	4.6	4.5	4.0	3.5	3.6	4.0	3.7	3.4	3.8	+0.5
Region:														
Northeast	6.7	8.0	4.7	6.2	5.7	5.2	4.5	4.4	3.6	5.0	4.2	4.8	4.0	-0.8
Midwest	5.3	4.5	5.9	5.4	5.2	4.5	4.9	4.0	3.8	4.9	3.6	4.5	4.1	-0.4
South	4.2	5.7	3.9	4.5	3.9	4.2	3.9	4.0	3.9	3.1	3.9	3.4	4.4	+0.9
West	6.5	6.2	4.6	6.6	6.7	5.5	4.8	3.6	5.3	5.5	6.2	5.1	6.3	+1.2
Population Density:														
Large MSA	6.2	6.9	5.1	5.6	4.9	5.4	4.5	4.2	4.4	4.3	5.2	3.8	4.2	+0.5
Other MSA	5.1	5.7	4.7	5.9	5.6	5.0	5.0	4.1	4.5	4.8	4.4	4.4	4.6	+0.2
Non-MSA	4.8	5.3	4.2	4.3	4.4	3.2	3.1	3.3	2.7	3.4	3.3	4.8	5.1	+0.3
Parental Education: c														
1.0–2.0 (Low)	3.9	4.4	3.6	3.7	4.9	3.3	4.4	3.0	4.8	4.0	4.1	4.0	4.1	+0.1
2.5–3.0	4.9	5.0	4.5	5.0	4.3	5.1	4.7	4.1	4.1	4.0	4.6	4.4	4.6	+0.2
3.5–4.0	5.5	5.5	4.6	6.2	5.4	4.8	4.6	4.4	4.3	4.5	4.7	4.3	5.1	+0.8
4.5–5.0	5.4	6.7	5.3	5.5	4.9	5.0	3.9	3.8	3.7	4.5	4.0	3.6	4.1	+0.6
5.5–6.0 (High)	6.7	7.2	4.6	5.4	5.7	4.5	4.7	4.1	4.1	4.0	4.5	4.4	4.0	-0.4
Race/Ethnicity (2-year average): d														
White	6.2	6.9	6.3	6.1	6.4	6.0	5.2	4.6	4.2	4.3	4.8	4.8	4.5	-0.3
African American	1.4	1.4	1.2	1.3	1.7	1.6	1.5	1.9	2.0	1.7	1.9	1.8	1.9	0.0
Hispanic	3.9	3.5	3.3	3.3	3.0	2.9	3.5	3.5	4.0	4.7	3.9	3.4	4.0	+0.5

Notes. '‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aAll data are unadjusted for the underreporting of PCP, unless otherwise indicated.

^bAdjusted for the underreporting of PCP. See text for details.

^cParental education is an average score of mother's education and father's education. See appendix B for details.

^dTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^eIn 2001 the question text was changed on half of the questionnaire forms. Other psychedelics was changed to other hallucinogens, and shrooms was added to the list of examples. The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner. Due to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

⁹In 2014 questions on use of LSD and hallucinogens other than LSD, the two components of hallucinogen use, were each dropped from one of six forms. Beginning in 2014 data are based on five of six forms: N is five sixths of N indicated.

TABLE 28
LSD: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 8</u>

						Percen	tage wh	o used ir	n last 12	months					
	1991	1992	1993	1994	1995	1996	<u>1997</u>	1998	1999	2000	2001	2002	2003	2004	2005
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800
Total	1.7	2.1	2.3	2.4	3.2	3.5	3.2	2.8	2.4	2.4	2.2	1.5	1.3	1.1	1.2
Gender:															
Male	2.0	2.1	2.5	2.6	3.4	3.7	3.5	3.2	2.7	2.6	2.3	1.7	1.4	1.1	1.2
Female	1.3	2.0	2.1	2.1	2.9	3.2	2.8	2.4	2.0	2.2	2.1	1.3	1.1	1.1	1.1
College Plans:															
None or under 4 years	4.5	6.4	6.4	6.2	8.5	8.2	9.3	7.8	8.2	6.7	5.8	5.7	4.3	4.7	4.1
Complete 4 years	1.2	1.5	1.6	1.8	2.5	2.7	2.5	2.2	1.7	2.0	1.8	1.1	0.9	0.7	8.0
Region:															
Northeast	1.3	1.4	1.8	2.6	2.9	2.9	2.3	2.1	2.2	1.9	1.9	0.9	1.4	1.0	0.9
Midwest	1.4	1.8	1.4	1.7	3.5	3.4	3.3	2.5	2.7	3.0	1.7	1.8	1.2	0.9	0.9
South	1.8	2.4	2.4	2.1	2.8	3.4	3.0	3.2	2.5	2.4	2.7	1.8	1.3	1.2	1.5
West	2.2	2.9	3.7	3.3	3.8	4.3	4.3	3.2	1.9	2.3	2.0	1.2	1.2	1.2	1.1
Population Density:															
Large MSA	1.9	2.0	2.0	2.7	3.6	3.2	2.9	2.6	2.2	2.0	1.8	1.3	1.3	1.1	1.0
Other MSA	1.7	2.5	2.8	2.8	3.3	4.1	3.6	2.9	2.7	2.6	2.3	1.5	1.2	1.3	1.1
Non-MSA	1.3	1.6	1.4	1.3	2.4	2.6	2.8	2.9	1.9	2.8	2.4	1.9	1.4	0.7	1.4
Parental Education: a															
1.0-2.0 (Low)	3.5	3.1	3.1	2.8	4.6	4.4	4.7	4.4	3.7	4.9	4.1	3.4	2.3	2.8	1.7
2.5–3.0	1.8	2.1	2.3	2.6	3.1	4.0	3.2	2.8	2.7	2.9	2.6	2.0	1.4	1.2	1.7
3.5–4.0	1.4	2.0	2.4	2.4	3.6	3.5	3.4	3.1	2.4	2.2	2.4	1.3	1.3	1.0	1.5
4.5–5.0	1.4	1.5	2.1	2.1	2.6	3.4	2.9	2.5	1.9	1.8	1.5	1.2	1.1	1.0	0.6
5.5-6.0 (High)	1.3	2.0	2.0	2.1	2.9	3.0	2.9	2.4	1.9	2.3	1.3	0.8	0.8	0.6	0.4
Race/Ethnicity (2-year average): b															
White	_	1.9	2.3	2.5	3.1	3.9	3.9	3.2	2.6	2.6	2.6	2.0	1.5	1.1	1.0
African American	_	0.5	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.6	0.8	0.9
Hispanic	_	3.3	3.7	3.6	3.3	3.5	3.9	4.2	3.9	3.5	3.2	2.4	1.7	1.8	1.7

TABLE 28 (cont.)
LSD: Trends in Annual Prevalence of Use by Subgroups in Grade 8

					Pe	rcentage	who us	ed in las	t 12 mor	ths					
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2018-2019 <u>change</u>
Approximate weighted N =		16.100	15.700	15.000	15.300	16.000	15.100	14.600	14.600	14.400	16.900	15.300	14.000	13.600	change
Total	0.9	1.1	1.3	1.1	1.2	1.1	0.8	1.0	0.7	0.9	0.8	0.9	0.9	0.9	0.0
Gender:															
Male	0.8	1.1	1.4	1.1	1.2	1.4	0.8	1.0	0.8	8.0	0.9	0.9	1.0	0.8	-0.1
Female	1.0	1.0	1.2	1.1	1.1	0.8	0.8	1.0	0.6	0.9	0.6	0.8	0.8	1.0	+0.2
College Plans:															
None or under 4 years	3.4	3.9	5.2	4.9	3.7	3.9	3.3	3.8	2.5	2.5	2.3	2.4	2.8	2.5	-0.3
Complete 4 years	0.7	0.8	1.0	0.8	0.9	0.9	0.6	8.0	0.6	0.7	0.6	0.7	0.6	0.7	+0.1
Region:															
Northeast	0.5	0.6	0.8	0.8	1.0	0.6	0.7	0.6	0.3	0.3	0.6	0.5	0.5	0.5	0.0
Midwest	0.7	1.2	1.3	1.1	1.4	0.9	0.3	0.9	0.6	1.0	0.6	0.6	0.4	1.1	+0.6 ss
South	1.1	1.0	1.4	1.0	1.0	1.0	1.1	1.2	8.0	0.9	1.1	0.9	8.0	0.9	0.0
West	1.0	1.4	1.4	1.6	1.4	2.1	0.9	1.1	1.0	1.0	0.6	1.4	1.8	1.3	-0.6
Population Density:															
Large MSA	0.6	0.7	1.4	1.0	1.0	1.0	0.9	1.0	0.7	8.0	1.1	8.0	1.3	0.7	-0.6 ss
Other MSA	1.1	1.2	1.3	1.2	1.4	1.3	8.0	1.1	0.7	1.1	0.6	1.0	0.9	1.1	+0.2
Non-MSA	1.0	1.3	1.0	1.1	1.0	0.9	0.6	8.0	0.7	0.5	0.9	0.7	0.5	0.9	+0.5
Parental Education: a															
1.0-2.0 (Low)	1.8	1.8	2.4	2.6	1.6	1.7	1.6	1.3	1.4	1.5	1.8	1.5	1.9	1.9	0.0
2.5–3.0	1.0	1.1	1.6	1.1	1.1	1.7	1.1	1.0	8.0	0.7	0.9	1.2	1.3	1.5	+0.2
3.5-4.0	1.0	1.0	1.1	1.0	1.4	1.2	0.7	8.0	1.0	1.1	8.0	0.9	1.0	0.9	-0.1
4.5–5.0	0.7	1.0	1.0	8.0	1.0	8.0	0.4	1.0	0.4	0.7	0.4	0.6	0.5	0.7	+0.2
5.5-6.0 (High)	0.7	0.6	1.3	0.9	0.8	0.8	0.7	1.1	0.6	0.6	0.5	0.5	0.5	0.5	0.0
Race/Ethnicity (2-year average): b															
White	1.0	1.0	1.1	1.1	1.1	1.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	8.0	0.0
African American	0.6	0.3	0.6	0.7	0.5	0.6	0.6	8.0	0.6	0.4	0.7	0.6	0.5	0.6	0.0
Hispanic	1.0	1.3	1.6	1.5	1.6	1.8	1.4	1.2	1.2	1.0	1.2	1.1	1.2	1.3	+0.1

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 29
LSD: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 10</u>

						Percer	ntage wh	o used ii	n last 12	months					
Approximate weighted N =	<u>1991</u> 14,800	<u>1992</u> 14,800	<u>1993</u> 15,300	<u>1994</u> 15,800	<u>1995</u> 17,000	<u>1996</u> 15,600	<u>1997</u> 15,500	<u>1998</u> 15,000	<u>1999</u> 13,600	2000 14,300	2001 14,000	2002 14,300	2003 15,800	2004 16,400	2005 16,200
Total	3.7	4.0	4.2	5.2	6.5	6.9	6.7	5.9	6.0	5.1	4.1	2.6	1.7	1.6	1.5
Gender:															
Male	3.9	4.3	5.1	5.9	7.4	7.6	7.6	6.3	7.0	5.9	5.1	3.1	1.9	1.8	1.9
Female	3.4	3.6	3.2	4.3	5.5	6.2	5.8	5.4	5.1	4.3	3.1	2.0	1.6	1.4	1.0
College Plans:															
None or under 4 years	6.8	7.0	8.4	9.4	11.1	13.1	12.8	12.4	13.1	11.1	9.9	6.0	4.4	4.5	4.1
Complete 4 years	3.0	3.4	3.3	4.2	5.6	5.8	5.7	4.7	4.9	4.1	3.2	2.0	1.3	1.2	1.1
Region:															
Northeast	3.6	2.6	3.8	5.1	4.7	6.4	5.2	7.1	7.5	4.1	4.0	2.2	1.8	1.7	2.3
Midwest	3.2	4.1	4.4	5.2	7.3	8.3	6.0	4.5	6.0	5.4	4.3	2.8	1.7	1.5	1.2
South	3.3	3.7	3.2	4.6	6.8	6.8	7.9	6.5	5.8	5.0	3.5	2.3	1.7	1.4	1.4
West	4.8	5.9	6.1	6.3	6.5	5.7	7.4	5.2	5.1	5.9	5.3	3.2	1.7	1.9	1.0
Population Density:															
Large MSA	3.8	4.4	4.4	5.4	6.6	7.6	7.0	5.4	4.9	6.4	3.8	2.6	1.3	1.1	1.2
Other MSA	4.4	4.1	4.4	5.9	7.1	7.4	7.0	6.6	6.7	4.8	4.1	2.7	1.7	1.9	1.5
Non-MSA	2.3	3.5	3.7	3.7	5.0	5.2	6.0	5.0	5.9	4.4	4.6	2.3	2.3	1.5	1.8
Parental Education: a															
1.0-2.0 (Low)	3.1	4.4	5.5	5.5	6.9	7.6	5.9	7.9	6.3	4.9	3.9	2.7	3.7	1.3	1.8
2.5–3.0	4.0	4.2	4.2	5.1	6.9	7.6	6.6	7.0	7.3	5.1	4.8	2.9	2.0	1.7	1.7
3.5-4.0	3.4	4.1	4.2	5.3	6.9	7.9	7.4	5.6	5.8	5.6	4.3	2.8	1.7	1.4	1.6
4.5–5.0	3.8	3.6	3.9	4.8	6.0	6.0	7.0	5.0	5.7	5.0	3.8	2.0	1.2	1.4	1.2
5.5-6.0 (High)	4.2	3.9	3.9	5.4	5.9	5.8	6.0	4.6	5.3	5.0	3.5	2.4	1.2	1.6	1.4
Race/Ethnicity (2-year average): b															
White	_	4.6	4.6	5.0	6.4	7.7	7.9	7.3	7.0	6.5	5.2	3.8	2.4	1.9	1.7
African American	_	0.2	0.5	0.9	1.0	8.0	0.9	1.0	0.9	0.9	0.9	0.6	0.4	0.4	0.6
Hispanic	_	3.2	4.1	5.0	5.7	6.1	6.7	6.6	5.6	4.6	3.7	2.9	2.4	1.7	1.6

TABLE 29 (cont.)
LSD: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 10</u>

					Pe	rcentage	e who us	ed in las	t 12 mor	nths					
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2018-2019 change
Approximate weighted N =	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	15,600	14,700	13,500	14,300	14,000	
Total	1.7	1.9	1.8	1.9	1.9	1.8	1.7	1.7	1.9	2.0	2.1	2.1	2.0	2.3	+0.3
Gender:															
Male	2.1	2.3	2.2	2.3	2.4	2.2	2.3	2.3	2.1	2.2	2.6	2.5	2.4	2.7	+0.3
Female	1.3	1.5	1.3	1.3	1.3	1.3	1.1	1.0	1.8	1.5	1.6	1.6	1.5	1.8	+0.2
College Plans:															
None or under 4 years	5.1	4.3	5.1	5.9	5.1	4.2	6.3	3.5	5.2	4.2	4.7	5.3	4.4	4.3	-0.1
Complete 4 years	1.2	1.5	1.3	1.4	1.5	1.6	1.3	1.5	1.5	1.7	1.8	1.7	1.6	1.8	+0.2
Region:															
Northeast	1.7	1.8	1.5	1.6	2.0	1.8	1.4	1.7	1.7	2.1	1.6	1.1	1.7	1.4	-0.2
Midwest	1.6	2.2	2.0	2.3	1.4	1.7	1.6	1.5	2.0	1.4	2.0	2.6	1.9	2.2	+0.3
South	1.7	1.6	1.8	1.6	2.1	2.1	1.7	1.5	2.2	2.4	1.9	2.0	2.0	2.2	+0.2
West	1.8	1.9	1.7	2.0	2.0	1.8	2.1	1.9	1.5	1.6	3.0	2.5	2.1	3.0	+0.9
Population Density:															
Large MSA	1.6	1.6	1.5	1.7	1.7	1.8	1.8	1.3	1.7	1.7	2.3	2.1	1.8	2.2	+0.3
Other MSA	1.7	2.1	1.9	2.2	1.9	1.8	1.7	2.2	2.1	2.4	2.1	2.1	2.2	2.3	+0.1
Non-MSA	1.8	1.7	1.7	1.4	2.1	1.9	1.8	0.9	1.6	1.4	1.9	1.9	1.7	2.3	+0.6
Parental Education: a															
1.0-2.0 (Low)	2.5	2.9	2.2	2.5	2.4	3.0	2.0	2.2	1.7	2.5	2.4	2.0	2.4	2.8	+0.5
2.5–3.0	2.1	2.0	1.6	1.9	2.5	1.8	2.6	1.8	1.8	2.0	2.9	2.7	2.1	2.8	+0.7
3.5–4.0	1.6	1.8	1.9	2.0	1.8	1.8	1.4	1.7	2.3	2.4	2.1	2.6	2.0	2.5	+0.6
4.5–5.0	1.3	1.7	1.5	1.5	1.6	1.7	1.6	1.5	1.6	1.5	1.9	1.7	1.8	1.7	-0.1
5.5-6.0 (High)	1.3	1.7	1.9	2.2	1.9	1.6	1.3	1.7	1.6	1.6	1.8	1.6	2.0	1.5	-0.5
Race/Ethnicity (2-year average): b															
White	1.8	2.0	2.0	1.9	2.0	2.0	1.9	1.9	2.0	2.1	2.2	2.3	2.2	2.2	0.0
African American	0.7	0.6	0.7	0.9	1.1	1.0	0.8	0.8	1.1	1.2	0.8	0.9	0.7	0.7	0.0
Hispanic	1.6	1.4	1.8	2.0	1.7	1.9	1.9	1.5	1.4	1.6	2.2	2.2	2.3	2.5	+0.3

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 30
LSD: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

Percentage who used in last 12 months

1979 1980 1984 1989 1990 1977 1978 1983 1985 1986 1987 1988 1982 Approximate weighted N = 9,400 15,400 17,100 17,800 15,500 15,900 17,500 17,700 16,300 15,900 16,000 15,200 16,300 16,300 16,700 15,200 7.2 6.5 Total 6.4 5.5 6.3 6.6 6.5 6.1 5.4 4.7 4.4 4.5 5.2 4.8 4.9 5.4 Gender: 7.1 Male 9.6 7.9 7.1 7.8 8.0 8.1 8.0 6.7 5.9 5.5 6.4 6.5 Female 5.6 4.6 4.5 4.7 4.3 3.1 2.8 3.4 3.6 3.9 4.8 4.8 3.8 3.9 3.0 3.2 College Plans: None or under 4 years 7.5 6.7 7.2 8.0 8.2 8.0 7.5 6.9 6.1 5.6 5.9 6.6 5.7 6.5 6.2 Complete 4 years 4.7 4.0 4.6 4.5 4.7 5.0 4.3 3.8 3.1 3.4 3.3 4.3 4.1 4.2 4.8 Region: Northeast 8.5 8.0 7.2 8.0 7.9 6.8 9.0 8.0 5.6 7.0 5.4 5.1 5.3 4.7 5.1 5.9 Midwest 8.7 7.0 6.5 7.9 7.9 8.5 7.8 7.3 7.0 4.4 5.3 5.3 5.7 4.7 6.0 5.3 South 5.4 4.7 3.7 3.7 3.4 4.3 3.4 3.9 4.4 3.5 2.8 2.6 4.2 4.7 4.2 4.7 West 7.6 5.9 5.0 5.8 8.3 6.5 6.3 4.8 4.2 4.5 4.6 5.9 6.2 5.2 4.4 6.4 Population Density: Large MSA 9.4 7.9 7.2 7.6 7.3 8.0 5.7 5.2 4.6 5.2 6.4 7.3 4.7 4.1 4.4 5.6 Other MSA 6.9 4.9 6.1 7.4 6.8 6.1 7.3 6.8 6.3 6.0 4.9 4.8 5.4 5.6 5.3 5.6 Non-MSA 5.7 4.8 4.8 4.9 5.6 4.9 4.8 4.2 4.0 4.4 3.1 4.3 4.2 5.8 4.4 4.1

Parental Education: ^a 1.0–2.0 (Low)

2.5-3.0

3.5-4.0

4.5-5.0

White

Hispanic

5.5-6.0 (High)

African American

Race/Ethnicity (2-year average): b

6.1

6.5

6.4

7.0

6.5

4.8

6.8

6.7

6.4

6.4

4.5

5.8

5.6

5.3

6.1

6.3

1.3

6.1

5.0

6.1

6.1

6.7

7.0

6.3

1.3

5.0

4.5

6.3

6.7

7.5

7.4

6.8

1.2

4.9

5.2

6.8

6.7

5.7

7.2

7.0

1.1

5.2

4.8

6.5

6.7

6.4

7.7

7.2

1.0

4.5

5.0

6.1

6.4

5.7

6.0

6.9

0.9

5.2

4.9

5.1

5.7

5.2

4.8

6.2

0.9

5.0

4.1

4.8

4.3

4.3

5.0

5.5

0.7

4.1

3.0

4.5

4.7

4.8

3.8

5.0

0.7

3.9

3.9

4.6

4.6

4.1

4.7

4.9

1.0

3.9

4.4

4.9

4.9

5.8

6.1

5.4

8.0

4.0

4.1

3.8

4.2

6.2

6.2

5.8

0.6

3.1

3.6

4.3

5.1

5.9

5.5

5.7

0.7

2.3

3.4

4.4

6.0

6.2

7.4

6.1

0.6

2.7

TABLE 30 (cont.)
LSD: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

Percentage who used in last 12 months

	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	<u>2003</u>	2004	2005	<u>2006</u>
Approximate weighted N =		15,800	16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200
Total	5.2	5.6	6.8	6.9	8.4	8.8	8.4	7.6	8.1	6.6	6.6	3.5	1.9	2.2	1.8	1.7
Gender:																
Male	6.8	6.7	8.4	8.4	10.7	10.9	10.3	9.3	10.0	7.6	7.9	4.4	2.5	3.1	2.7	2.1
Female	3.4	4.4	5.1	5.3	5.8	6.5	6.2	5.7	6.1	5.3	5.0	2.3	1.2	1.2	0.9	1.1
College Plans:																
None or under 4 years	6.4	7.6	7.5	7.7	11.2	11.4	10.3	10.9	9.4	8.7	8.2	5.7	3.0	3.2	3.4	2.6
Complete 4 years	4.7	4.8	6.4	6.3	7.3	7.7	7.4	6.3	7.3	5.6	5.7	2.7	1.4	1.8	1.3	1.4
Region:																
Northeast	6.1	6.6	8.6	8.2	8.8	11.9	11.8	8.2	7.8	7.1	6.7	5.4	2.4	2.3	1.7	3.0
Midwest	5.9	5.5	6.3	7.3	8.3	7.7	7.0	7.6	9.1	5.9	8.6	3.7	1.8	1.8	2.1	1.6
South	3.4	4.4	5.5	6.3	8.1	7.9	8.1	7.4	7.7	6.0	4.7	3.1	1.9	2.6	1.8	1.4
West	6.5	7.0	8.5	6.2	8.5	8.8	6.9	7.1	7.7	7.9	6.6	2.1	1.4	2.3	1.6	1.1
Population Density:																
Large MSA	4.3	5.7	6.7	7.3	9.7	9.0	7.7	7.2	6.8	6.7	7.7	3.3	1.5	1.9	1.8	2.2
Other MSA	7.0	5.8	7.6	7.9	8.7	10.0	9.3	8.4	9.2	6.9	6.4	4.0	2.2	2.6	1.9	1.5
Non-MSA	3.0	5.1	5.6	4.6	6.5	6.5	7.3	6.1	7.4	5.9	5.6	2.7	1.7	1.9	1.7	1.2
Parental Education: a																
1.0–2.0 (Low)	4.3	3.3	4.6	4.4	6.6	6.7	6.8	6.8	8.6	5.6	5.4	2.4	1.5	3.2	1.7	1.5
2.5–3.0	4.4	5.2	5.6	6.5	8.1	8.2	7.3	7.8	7.6	6.4	6.7	3.4	1.9	2.4	1.9	2.0
3.5-4.0	5.5	5.7	7.0	7.4	8.6	9.3	8.5	8.2	9.0	6.7	6.3	4.0	1.7	1.8	1.5	1.9
4.5–5.0	5.3	5.8	8.3	6.9	8.6	8.7	8.6	6.5	8.0	6.0	6.7	3.1	1.7	2.0	1.7	1.3
5.5–6.0 (High)	7.1	7.0	8.2	7.9	8.3	9.2	9.5	7.3	6.4	7.0	5.6	2.8	1.7	2.2	1.7	1.1
Race/Ethnicity (2-year average): b																
White	6.3	6.4	7.4	8.0	8.6	9.7	10.1	9.5	9.1	8.3	7.5	5.8	3.0	2.2	2.2	1.8
African American	0.6	0.6	0.6	0.9	1.0	1.3	1.6	1.1	0.8	1.3	1.3	0.8	8.0	0.8	0.7	0.9
Hispanic	3.6	4.1	5.1	5.4	6.4	7.4	6.3	5.9	7.0	7.6	5.8	3.8	1.8	1.7	1.7	1.4

TABLE 30 (cont.)
LSD: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

					Percer	ntage wh	o used in	ı last 12 ı	months					
Approximate weighted N =	2007 14,500	2008 14,000	2009 13,700	2010 14,400	<u>2011</u> 14,100	2012 13,700	2013 12,600	2014° 12,400	2015° 12,900	2016° 11,800	2017 ^c 12,600	2018° 13,300	2019 ^c 12,900	2018-2019 <u>change</u>
Total	2.1	2.7	1.9	2.6	2.7	2.4	2.2	2.5	2.9	3.0	3.3	3.2	3.6	+0.4
Gender:														
Male	3.0	3.7	2.4	3.6	3.6	2.9	2.9	3.4	3.5	4.1	4.4	4.4	4.9	+0.5
Female	1.2	1.6	1.3	1.4	1.7	1.6	1.3	1.5	2.1	1.9	2.1	1.6	2.1	+0.5
College Plans:														
None or under 4 years	4.1	4.8	2.5	4.2	3.7	3.1	3.4	3.7	4.4	3.6	4.9	5.0	4.7	-0.3
Complete 4 years	1.6	2.1	1.6	2.1	2.4	2.2	1.7	2.2	2.4	2.8	2.7	2.5	3.1	+0.6
Region:														
Northeast	2.1	3.0	2.6	3.7	3.0	2.9	2.7	2.6	2.3	3.2	2.9	3.7	3.3	-0.4
Midwest	2.7	2.5	2.4	2.8	3.0	1.9	2.3	2.3	2.4	3.5	2.8	3.5	3.1	-0.4
South	1.7	3.0	1.2	2.0	2.1	2.1	1.8	3.1	3.1	2.3	2.8	2.7	3.6	+0.8
West	2.0	2.2	1.5	2.3	2.9	2.8	2.2	1.6	3.5	3.6	4.8	3.1	4.5	+1.4
Population Density:														
Large MSA	2.4	2.7	2.4	2.4	2.4	2.5	2.2	2.6	3.3	3.1	3.9	2.8	3.4	+0.6
Other MSA	2.0	2.8	1.7	2.9	3.0	2.7	2.4	2.6	3.2	3.4	3.4	3.6	3.7	+0.1
Non-MSA	1.8	2.6	1.4	2.0	2.3	1.4	1.5	2.1	1.5	1.9	2.1	2.9	3.5	+0.7
Parental Education: ^a														
1.0–2.0 (Low)	2.3	2.3	1.8	1.9	2.4	1.7	2.0	2.0	3.8	2.4	2.9	3.0	3.3	+0.3
2.5–3.0	1.9	2.4	1.6	2.3	2.3	2.6	2.8	2.5	2.7	2.8	3.4	3.1	3.8	+0.7
3.5–4.0	2.1	2.4	1.6	2.7	2.8	2.4	1.9	2.7	2.9	3.1	3.5	3.1	3.8	+0.7
4.5–5.0	2.0	2.8	1.9	2.3	2.7	2.4	1.9	2.1	2.5	3.0	3.1	2.5	3.3	+0.8
5.5-6.0 (High)	2.3	3.2	2.1	3.2	2.4	2.2	2.1	2.8	2.9	3.3	3.2	3.4	2.9	-0.5
Race/Ethnicity (2-year average): b														
White	2.1	2.8	2.6	2.7	3.3	3.1	2.5	2.4	2.6	2.9	3.5	3.6	3.4	-0.2
African American	8.0	8.0	0.7	8.0	1.0	0.9	8.0	1.1	1.3	1.1	1.5	1.5	1.6	+0.1
Hispanic	1.8	1.8	1.3	0.9	1.0	1.3	1.7	2.0	3.1	3.7	2.9	2.6	3.2	+0.6

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

cln 2014 questions on use of LSD were dropped from one of six forms. Beginning in 2014 data are based on five of six forms; N is five sixths of N indcated.

TABLE 31

HALLUCINOGENS OTHER THAN LSD: Trends in Annual Prevalence of Use by Subgroups in Grade 8

Percentage who used in last 12 months 2001^a <u> 1991</u> 1992 1993 <u>1994</u> <u> 1995</u> 1996 <u> 1997</u> 1998 1999 2000 2002 2003 2004 2005 Approximate weighted N = 17,50018,600 18,300 17,300 17,500 17,800 18,600 18,100 16,700 16,700 16,200 15,100 16,500 17,000 16,800 Total 1.1 1.0 1.3 2.0 1.8 1.6 1.5 1.4‡ 2.4 2.1 2.1 1.9 2.0 Gender Male 0.8 2.4 2.2 1.1 1.2 1.6 1.9 2.1 2.1 1.8 1.8 1.5‡ 2.8 2.4 1.9 Female 0.6 1.0 0.9 0.9 1.4 1.7 1.4 1.4 1.1 1.3‡ 2.0 1.7 1.8 1.8 1.8 College Plans: None or under 4 years 1.7 3.6 2.9 3.6 4.8 5.2 4.7 5.1 5.3 3.9‡ 7.4 6.5 7.5 6.1 Complete 4 years 0.7 0.7 1.0 1.3 1.4 1.2 1.2‡ 1.8 1.6 1.5 1.6 Region: Northeast 0.4 0.6 0.7 1.3‡ 1.5 1.4 1.8 2.1 1.7 1.2 1.4 2.1 1.3 1.9 1.6 Midwest 0.6 1.3 0.6 1.9 2.1 2.2 1.9 1.1 1.6 1.8 1.8 1.7 1.8‡ 1.8 1.7 South 0.7 1.0 1.3‡ 2.9 2.2 2.2 1.9 1.0 1.0 1.5 1.7 1.4 1.8 1.6 2.4 West 1.3 1.9 1.9 1.9 1.3 1.4‡ 2.3 2.2 2.0 Population Density: Large MSA 0.7 0.8 1.6 1.2‡ 2.0 0.7 1.6 1.8 1.4 1.3 1.1 1.9 1.6 1.6 1.4 Other MSA 0.7 2.2 1.9 2.1 2.0 1.3 1.3 1.4 1.8 1.9 1.6 1.5 1.7‡ 2.6 2.1 Non-MSA 0.7 1.0 0.9 8.0 1.5 1.7 1.9 2.0 1.9 1.3‡ 2.6 3.0 3.0 2.0 2.2 Parental Education: b 1.0-2.0 (Low) 1.5 1.8 1.4 1.6 2.4 2.2 2.6 2.7 2.6 2.5‡ 5.0 3.4 3.5 3.9 2.7 2.5-3.0 0.8 0.7 1.1 1.7 2.1 2.0 1.3 1.9 1.5‡ 2.3 2.6 2.8 2.0 2.9 1.1 3.5-4.0 0.4 1.2 1.2 1.2 1.8 2.0 1.6 1.8 1.3 1.3‡ 2.6 1.9 2.2 1.7 2.6 4.5-5.0 0.8 0.9 0.7 1.5 1.6 2.0 1.6 1.5 0.9 1.1‡ 1.6 1.7 1.5 1.6 1.6 5.5-6.0 (High) 0.8 1.3 0.9 1.5 1.7 1.9 1.9 1.5 2.0‡ 1.9 1.5 1.6 1.6 1.4 1.0 Race/Ethnicity (2-year average): c 0.9 1.0 1.2 1.7 2.1 2.1 1.8 1.6 1.6 1.4± 1.5^d 2.3 2.1 0.4^{d} African American 0.4 0.5 0.5 0.4 0.4 0.3 0.3 0.3 0.3 0.3‡ 0.6 0.8 0.9 1.8^d 1.5 2.1 2.0 2.2 2.2 1.8 1.2‡ 2.2 2.2 Hispanic 1.5 1.5 1.8 2.1

TABLE 31 (cont.)

HALLUCINOGENS OTHER THAN LSD: Trends in Annual Prevalence of Use by Subgroups in Grade 8

Percentage who used in last 12 months

	<u>2006</u>	2007	2008	2009	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	2018-2019 <u>change</u>
Approximate weighted N =	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	14,400	16,900	15,300	14,000	13,600	
Total	1.8	1.6	1.6	1.5	1.8	1.8	1.3	1.2	1.0	8.0	8.0	0.7	0.9	0.9	0.0
Gender:															
Male	1.8	1.7	1.6	1.7	2.1	2.1	1.3	1.2	1.2	1.0	8.0	0.6	1.1	8.0	-0.3
Female	1.7	1.4	1.5	1.4	1.6	1.4	1.2	1.1	0.7	0.7	0.7	0.7	0.7	0.9	+0.3
College Plans:															
None or under 4 years	5.5	6.0	6.9	5.9	6.0	5.8	3.8	3.7	3.2	3.1	2.5	2.0	2.3	2.1	-0.3
Complete 4 years	1.4	1.2	1.1	1.2	1.5	1.5	1.1	1.0	8.0	0.6	0.6	0.5	0.7	0.7	0.0
Region:															
Northeast	1.2	8.0	1.0	1.3	1.4	0.9	1.2	0.5	0.5	0.6	0.4	0.4	0.5	0.2	-0.3
Midwest	1.7	1.7	1.4	1.4	2.0	1.4	0.7	1.1	8.0	8.0	0.6	0.3	8.0	0.9	+0.2
South	1.8	1.4	1.7	1.4	1.4	1.5	1.6	1.3	0.9	0.9	0.9	8.0	0.9	8.0	-0.2
West	2.2	2.3	1.8	2.1	2.6	3.4	1.4	1.5	1.5	0.9	1.1	1.1	1.3	1.5	+0.2
Population Density:															
Large MSA	1.2	1.3	1.4	1.2	1.6	1.7	1.4	1.0	8.0	0.7	0.7	0.5	1.1	0.5	-0.6 ss
Other MSA	2.0	1.6	1.7	1.6	2.0	2.2	1.4	1.2	1.0	1.0	8.0	8.0	8.0	1.0	+0.2
Non-MSA	2.1	2.0	1.3	1.8	1.7	1.1	0.9	1.2	1.1	8.0	1.0	0.7	8.0	1.2	+0.4
Parental Education: b															
1.0-2.0 (Low)	2.3	2.5	3.1	3.3	2.7	3.1	1.6	1.8	1.6	1.1	1.3	1.1	1.3	1.4	0.0
2.5–3.0	2.2	1.5	1.7	1.3	2.4	2.3	1.5	1.4	1.1	8.0	1.0	8.0	0.9	1.6	+0.8
3.5-4.0	1.8	1.9	1.7	1.6	2.0	1.9	1.7	1.2	1.0	8.0	1.1	8.0	1.2	8.0	-0.4
4.5–5.0	1.7	1.2	1.2	1.3	1.7	1.4	8.0	0.9	0.6	0.6	0.4	0.4	8.0	0.6	-0.2
5.5-6.0 (High)	1.2	0.9	1.3	1.3	1.0	1.2	1.1	1.0	1.0	0.7	0.6	0.6	0.5	8.0	+0.3
Race/Ethnicity (2-year average): °															
White	2.2	1.8	1.7	1.6	1.8	1.8	1.3	1.1	1.0	8.0	0.7	0.7	0.7	8.0	+0.1
African American	0.9	0.6	0.6	0.6	0.6	0.5	0.7	0.7	0.4	0.5	0.7	0.6	0.3	0.3	0.0
Hispanic	1.4	1.6	1.9	1.8	2.1	2.6	2.3	1.6	1.3	1.0	0.9	8.0	8.0	1.1	+0.3

Source. The Monitoring the Future study, the University of Michigan.

Notes. '‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aIn 2001 the question text was changed on half of the questionnaire forms. Other psychedelics was changed to other hallucinogens, and shrooms was added to the list of examples. The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 have been the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and treated in a parallel manner.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^dDue to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE 32

HALLUCINOGENS OTHER THAN LSD: Trends in Annual Prevalence of Use by Subgroups in Grade 10

Percentage who used in last 12 months 2001^a 2000 1992 1993 1994 1995 1996 1997 1998 1999 2002 2003 Approximate weighted N = 14,80015,300 15,800 17,000 15,600 15,500 15,000 13,600 14,300 14,000 14,300 15,800 16,400 16,200 14,800 Total 1.3 1.4 1.9 2.4 2.8 3.3 3.3 3.4 3.2 3.1‡ 4.4 4.0 3.6 3.7 3.5 Gender: Male 1.5 1.6 2.5 3.0 3.4 3.8 4.1 3.9 4.1 3.8‡ 5.7 4.6 4.4 4.3 4.2 Female 1.1 1.2 2.7 2.5 2.8 2.3 3.2 2.9 1.1 1.7 2.1 2.4‡ 3.1 3.4 2.8 College Plans: None or under 4 years 2.5 2.7 3.7 4.8 5.3 6.2 4.8 7.3 6.7 6.1‡ 10.9 8.8 7.3 8.2 8.5 Complete 4 years 1.1 1.1 1.5 2.3 2.7 3.0 2.6 2.6 2.6‡ 3.3 3.3 3.1 2.8 Region: Northeast 1.4 0.7 2.3 3.2 3.2 4.7 4.5 4.3 4.4 3.0 3.9 3.4‡ 4.2 3.6 3.4 Midwest 1.0 1.2 1.7 1.9 2.2 3.2 3.4 3.2 2.8 3.3‡ 4.0 4.3 2.9 3.3 3.6 South 1.3 1.2 1.5 2.1 2.7 3.1 3.1 3.2 2.7 2.9‡ 3.6 3.4 3.5 3.3 3.0 West 1.6 2.6 2.5 3.0 3.5 3.0 3.6 2.5 3.3 3.0± 6.7 5.1 4.5 4.2 3.3 Population Density: Large MSA 1.4 1.5 1.9 2.4 2.7 3.4 3.3 3.1 3.1 3.9‡ 3.4 4.0 2.8 2.7 2.9 Other MSA 1.4 1.4 2.5 3.5 3.2 3.5 4.0 1.9 3.0 3.4 2.9‡ 4.8 3.9 4.4 3.9 Non-MSA 1.0 1.2 2.0 2.3 2.5 2.7 3.5 3.5 2.7 2.8‡ 4.5 3.9 3.8 3.6 3.6 Parental Education: b 1.0-2.0 (Low) 3.1 1.5 1.5 2.0 2.6 3.3 3.4 2.4 2.9 3.4 2.5‡ 4.8 4.4 5.2 2.8 2.5-3.0 1.2 1.0 1.4 1.8 2.7 3.4 2.7 4.2 3.0 2.6‡ 4.4 4.3 4.2 4.5 4.1 3.5-4.0 1.3 1.7 2.3 2.3 3.0 3.2 3.6 3.0 2.8 3.2‡ 4.3 4.0 3.3 3.6 3.6 4.5-5.0 1.2 1.5 1.9 2.6 2.5 3.3 3.7 3.0 3.7 3.7‡ 4.4 3.5 3.2 3.5 3.5 5.5-6.0 (High) 1.8 2.1 2.8 2.5 3.6 3.7 3.7 3.7‡ 3.9 4.6 3.0 3.5 1.1 3.5 3.3 Race/Ethnicity (2-year average): c 4.0^{d} 1.5 1.8 2.3 2.8 3.4 3.9 4.0 4.0 3.8 3.4‡ 4.4 4.2 1.3^d African American 0.1 0.4 0.7 0.7 0.4 0.3 0.4 0.5 0.6 1.1‡ 0.9 0.7 1.1

Hispanic

1.3

1.5

1.9

2.0

2.1

2.4

2.8

2.6

2.0

1.6‡

2.5^d

2.9

3.2

3.5

TABLE 32 (cont.)

HALLUCINOGENS OTHER THAN LSD: Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

Percentage who used in last 12 months

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2018-2019
Approximate weighted N =		16,100	<u>2006</u> 15,100			<u>2011</u> 14.900	<u>2012</u> 15.000	12.900	13,000	<u>2015</u> 15.600	<u>2016</u> 14.700	13.500	<u>2016</u> 14.300	<u>2019</u> 14.000	<u>change</u>
Total	3.7	3.8	3.3	3.5	3.5	3.5	3.0	2.7	2.6	1.9	2.0	1.8	1.7	2.1	+0.4
Gender:															
Male	4.1	4.7	4.0	4.4	4.4	4.1	4.0	3.5	2.5	2.2	2.3	2.1	1.9	2.9	+1.0 ss
Female	3.1	3.0	2.6	2.6	2.5	2.9	2.1	2.0	2.7	1.6	1.5	1.4	1.4	1.3	-0.1
College Plans:															
None or under 4 years	9.0	8.9	9.0	9.0	10.0	9.4	8.7	4.8	6.3	4.9	4.6	4.9	3.6	3.6	0.0
Complete 4 years	3.0	3.2	2.6	2.9	2.8	2.8	2.4	2.5	2.1	1.6	1.7	1.4	1.4	1.7	+0.3
Region:															
Northeast	3.7	4.1	2.9	2.7	3.3	3.3	2.8	1.8	2.9	2.1	1.4	1.0	1.1	1.2	+0.1
Midwest	3.7	4.0	3.3	3.8	2.9	2.9	2.4	2.3	2.4	1.3	1.7	1.6	1.5	1.8	+0.4
South	3.0	3.1	3.5	3.3	3.5	3.4	3.0	2.8	2.2	2.0	1.7	1.2	2.0	2.0	0.0
West	4.7	4.4	3.6	4.3	4.4	4.6	3.9	3.7	2.8	2.4	3.0	3.4	2.1	3.3	+1.2
Population Density:															
Large MSA	3.8	3.4	3.3	3.4	3.2	3.5	2.8	2.0	2.2	1.7	2.0	1.8	1.5	1.8	+0.3
Other MSA	3.7	4.1	3.6	3.6	3.7	3.8	3.2	3.1	2.8	2.0	2.1	1.6	1.9	2.2	+0.3
Non-MSA	3.3	3.8	2.9	3.4	3.6	3.0	2.9	2.7	2.5	2.1	1.8	2.1	1.6	2.4	+0.8
Parental Education: b															
1.0-2.0 (Low)	4.7	4.5	4.7	5.0	4.7	4.9	4.1	3.6	2.5	2.8	2.0	1.9	2.2	1.6	-0.5
2.5–3.0	3.8	3.9	3.3	3.2	5.0	4.1	3.5	3.5	2.6	2.7	2.6	2.6	1.9	2.8	+0.9
3.5-4.0	3.4	4.1	3.5	3.7	3.4	3.3	2.8	3.0	3.1	2.3	2.2	2.0	1.7	2.7	+1.0
4.5–5.0	3.7	3.8	2.9	3.2	2.8	3.1	2.9	2.4	2.2	1.6	1.5	1.4	1.4	1.5	+0.2
5.5-6.0 (High)	3.8	3.3	2.6	3.8	2.6	3.2	2.4	2.0	2.1	1.2	1.6	1.3	1.9	1.7	-0.2
Race/Ethnicity (2-year average): c															
White	4.2	4.4	4.2	3.9	3.8	3.8	3.5	3.0	2.7	2.4	2.2	2.2	1.9	2.1	+0.2
African American	1.2	0.8	0.7	1.1	1.2	1.0	1.1	1.1	0.9	1.4	1.2	0.6	0.4	0.6	+0.2
Hispanic	3.0	2.3	2.9	3.6	3.7	3.7	3.5	2.9	2.4	2.0	1.9	1.8	1.9	2.1	+0.2

Source. The Monitoring the Future study, the University of Michigan.

Notes. '‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aIn 2001 the question text was changed on half of the questionnaire forms. Other psychedelics was changed to other hallucinogens, and shrooms was added to the list of examples. The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner. ^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^dDue to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE 33
HALLUCINOGENS OTHER THAN LSD: Trends in Annual Prevalence of Use by Subgroups in Grade 12

Percen	tage who	used in	last 12	months

	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>
Approximate weighted N =	9,400	15,400	17,100	1		15,900		17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	
Total	9.4	7.0	6.9	7.3	6.8	6.2	5.6	4.7	4.1	3.8	3.6	3.0	3.2	2.1	2.2	2.1
Gender:																
Male	12.1	8.8	8.9	8.8	8.0	8.0	6.9	5.7	4.9	4.8	4.6	3.4	3.7	2.7	3.1	3.0
Female	7.5	5.0	4.9	5.5	5.3	4.2	4.0	3.6	3.1	2.7	2.5	2.5	2.6	1.4	1.1	1.1
College Plans:																
None or under 4 years	_	8.3	8.6	8.1	7.6	6.7	6.0	5.1	4.8	4.5	4.1	3.3	3.5	2.5	2.7	2.1
Complete 4 years	_	5.2	4.9	5.7	5.3	5.1	5.0	4.1	3.1	3.0	2.9	2.5	2.8	1.8	1.9	1.9
Region:																
Northeast	12.0	7.8	8.2	10.3	10.2	10.0	9.0	8.1	6.1	8.4	7.1	5.1	4.8	2.6	2.5	2.9
Midwest	11.3	7.9	7.9	7.6	6.8	6.7	5.7	4.8	4.4	2.9	3.1	2.7	3.5	1.6	2.3	1.7
South	7.1	5.7	5.4	4.8	4.1	3.1	2.0	1.8	2.4	1.5	1.5	1.4	1.7	2.0	1.9	1.7
West	7.7	6.7	6.3	7.2	6.6	5.9	6.9	4.9	4.1	4.5	3.6	3.3	3.3	2.5	2.3	2.6
Population Density:																
Large MSA	11.1	7.8	7.5	9.3	8.8	8.5	8.1	7.3	6.6	6.9	6.1	5.1	4.8	3.3	2.6	2.3
Other MSA	10.7	7.3	7.2	6.9	7.2	6.5	5.0	3.7	4.0	3.1	3.0	2.4	2.5	1.7	2.0	2.4
Non-MSA	6.8	6.1	6.1	6.1	4.7	4.1	4.4	4.0	2.4	2.4	2.4	2.1	2.9	1.6	2.1	1.5
Parental Education: ^a																
1.0-2.0 (Low)	7.5	5.1	5.4	5.7	4.7	5.8	3.9	3.7	3.6	2.8	2.7	2.3	3.4	2.7	2.0	1.5
2.5–3.0	8.7	7.6	6.9	7.2	6.5	5.9	5.1	4.7	3.6	3.8	3.5	3.1	2.9	1.5	1.8	1.2
3.5-4.0	9.1	7.5	7.4	7.3	6.6	5.8	5.8	4.8	4.5	3.6	4.1	3.2	3.0	1.8	1.8	2.2
4.5–5.0	9.7	8.4	7.0	7.8	7.5	6.4	6.0	4.7	3.9	3.8	3.6	2.7	3.3	2.2	2.6	2.8
5.5-6.0 (High)	7.4	7.2	7.8	7.9	9.2	7.2	7.0	6.7	4.6	5.3	2.6	2.8	3.5	3.1	3.3	3.6
Race/Ethnicity (2-year average): b																
White	_	_	7.6	7.6	7.5	7.0	6.3	5.6	4.7	4.3	4.0	3.5	3.4	3.0	2.4	2.4
African American	_	_	1.6	1.6	1.3	1.4	1.3	1.2	1.6	1.3	0.8	0.9	0.9	0.6	0.5	0.4
Hispanic	_		5.1	5.2	4.8	4.4	4.5	4.8	4.2	3.4	3.7	3.3	2.1	1.7	1.6	1.5

TABLE 33 (cont.)

HALLUCINOGENS OTHER THAN LSD: Trends in Annual Prevalence of Use by Subgroups in Grade 12

						Pe	rcentage	who us	ed in las	t 12 mon	ths					
	1991	1992	1993	1994	<u>1995</u>	1996	1997	1998	1999	2000	<u>2001</u> °	2002	2003	2004	2005	2006
Approximate weighted N =	15,000	15,800	16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200
Total	2.0	1.7	2.2	3.1	3.8	4.4	4.6	4.6	4.3	4.4‡	5.9	5.4	5.4	5.6	5.0	4.6
Gender:																
Male	2.7	2.3	3.0	4.3	5.3	5.7	5.9	6.0	5.4	5.8‡	7.2	7.2	7.2	7.7	6.7	5.7
Female	1.3	1.2	1.3	1.9	2.1	2.8	3.2	3.0	3.1	2.9‡	4.2	3.5	3.4	3.4	3.2	3.3
College Plans:																
None or under 4 years	2.4	2.2	2.5	3.2	4.4	5.1	4.7	6.1	4.4	5.6‡	7.3	7.9	7.3	6.9	6.8	6.5
Complete 4 years	1.9	1.5	2.0	2.9	3.4	4.0	4.4	3.9	4.0	3.8‡	5.0	4.6	4.5	4.9	4.4	4.1
Region:																
Northeast	3.5	2.5	2.6	5.1	5.3	6.1	6.6	6.3	5.5	5.0‡	6.9	7.5	7.3	6.7	4.9	6.4
Midwest	1.9	1.8	2.0	3.1	3.2	3.5	2.8	4.1	3.7	3.6‡	6.9	5.0	4.7	4.6	6.3	4.7
South	1.0	1.3	1.8	1.9	3.1	3.6	4.0	3.5	3.3	3.3‡	3.1	4.5	4.3	4.9	4.7	3.8
West	2.6	1.8	2.9	3.6	4.5	5.4	6.1	5.5	5.7	6.9‡	8.0	5.6	6.0	6.9	4.0	4.2
Population Density:																
Large MSA	1.8	2.1	2.5	3.6	4.9	5.2	4.0	4.4	4.5	5.2‡	7.6	5.9	3.9	5.2	5.1	5.5
Other MSA	2.6	1.7	2.2	3.6	3.7	4.7	5.4	5.1	4.2	4.3‡	5.4	5.8	6.5	6.6	5.4	4.2
Non-MSA	1.2	1.4	2.0	1.8	2.7	3.1	3.6	3.7	4.2	3.8‡	4.8	4.3	5.1	4.1	4.0	3.9
Parental Education: a																
1.0–2.0 (Low)	1.9	1.3	1.7	2.2	2.7	3.5	2.7	3.7	2.2	3.8‡	3.8	4.3	4.7	3.3	2.9	4.9
2.5–3.0	1.6	1.6	1.5	2.4	3.4	3.0	3.5	3.9	3.3	3.6‡	5.4	5.4	4.3	4.9	5.1	4.5
3.5–4.0	2.0	1.8	2.4	2.9	3.6	4.0	4.8	4.6	5.1	4.2‡	6.1	5.6	5.9	6.0	4.9	4.9
4.5–5.0	2.4	1.7	2.7	3.7	4.2	5.2	5.3	5.0	4.4	4.6‡	5.5	5.8	6.0	6.3	5.3	4.3
5.5–6.0 (High)	2.4	2.1	3.0	4.4	4.1	5.9	5.9	5.4	4.7	5.8‡	6.6	5.1	4.8	5.6	5.3	4.5
Race/Ethnicity (2-year average): b																
White	2.4	2.2	2.2	3.0	3.8	4.4	5.2	5.6	5.2	4.8	4.7‡	5.4 ^d	6.3	6.4	6.1	5.5
African American	0.3	0.3	0.5	0.7	0.8	8.0	0.7	0.6	0.6	1.0	0.9‡	0.9 ^d	0.9	0.9	1.2	1.4
Hispanic	1.7	1.4	1.4	1.6	2.6	3.5	3.1	2.7	3.0	4.6	4.8‡	4.1 ^d	4.1	3.7	3.6	3.5

TABLE 33 (cont.)

HALLUCINOGENS OTHER THAN LSD: Trends in Annual Prevalence of Use by Subgroups in Grade 12

					Percen	tage who	o used in	last 12	months					
	2007	2008	2009	2010	2011	2012	2013	2014 ^e	2015 ^e	2016 ^e	2017 ^e	2018 ^e	2019 ^e	2018-2019 <u>change</u>
Approximate weighted N =		14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	<u>change</u>
Total	4.8	5.0	4.2	4.8	4.3	4.0	3.7	3.0	2.9	2.7	2.9	2.7	2.7	0.0
Gender:														
Male	6.8	6.7	5.7	6.9	5.9	5.3	5.0	4.1	3.6	3.5	4.1	3.6	3.7	+0.1
Female	2.9	3.4	2.6	2.5	2.7	2.6	2.2	2.1	1.9	1.8	1.8	1.4	1.5	+0.1
College Plans:														
None or under 4 years	7.2	6.3	5.0	7.1	6.7	4.7	4.9	4.1	4.9	3.2	4.1	4.3	4.4	+0.1
Complete 4 years	4.2	4.7	3.9	4.2	3.8	3.9	3.3	2.7	2.3	2.5	2.5	2.0	2.2	+0.2
Region:														
Northeast	6.0	7.2	3.8	5.0	4.7	4.0	3.3	3.4	2.8	3.1	2.9	3.0	2.2	-0.8
Midwest	4.6	3.9	5.3	4.5	4.2	4.1	4.1	3.2	2.7	2.9	2.1	2.9	2.7	-0.2
South	3.8	4.6	3.7	3.9	3.2	3.5	3.5	2.6	2.4	2.0	2.6	1.9	2.2	+0.3
West	5.7	5.4	4.0	6.2	5.8	4.7	3.7	3.4	4.1	3.6	4.3	3.6	4.4	+0.8
Population Density:														
Large MSA	5.5	6.0	4.5	5.0	4.1	4.8	3.7	3.1	2.8	2.5	3.4	2.3	2.4	+0.1
Other MSA	4.7	4.9	4.3	5.1	4.7	4.0	4.1	3.3	3.3	2.9	2.8	2.6	2.6	0.0
Non-MSA	4.1	4.4	3.6	3.6	3.6	2.8	2.6	2.3	2.2	2.7	2.6	3.6	3.5	-0.1
Parental Education: a														
1.0-2.0 (Low)	3.5	3.4	3.0	3.1	4.5	2.8	3.5	2.2	3.0	2.9	3.0	2.7	2.2	-0.5
2.5–3.0	4.3	3.9	4.1	4.1	3.7	4.3	3.5	3.2	2.9	2.4	2.8	2.8	2.7	-0.2
3.5-4.0	4.9	4.8	4.4	5.5	4.3	4.1	4.2	3.3	3.3	2.5	3.2	2.5	2.8	+0.3
4.5–5.0	4.9	6.0	4.7	4.7	4.0	4.3	3.0	3.1	2.4	3.0	2.5	2.1	2.5	+0.3
5.5-6.0 (High)	5.8	6.1	4.1	4.8	5.1	3.4	4.3	2.8	3.0	2.7	3.3	2.7	3.0	+0.2
Race/Ethnicity (2-year average): b														
White	5.6	6.0	5.6	5.4	5.5	4.9	4.4	3.8	3.2	3.0	3.1	3.0	2.9	-0.2
African American	1.2	1.0	0.9	1.0	1.3	1.4	1.3	1.4	1.3	1.1	1.3	1.2	1.1	-0.1
Hispanic	3.4	3.0	2.8	3.0	2.8	2.6	3.0	2.7	2.7	2.8	2.3	2.1	2.2	+0.2

with the new version of the question) and all of the 2002 sample data.

Notes. '‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^cIn 2001 the question text was changed on half of the questionnaire forms. Other psychedelics was changed to other hallucinogens, and shrooms was added to the list of examples. The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner. ^dDue to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half

⁶In 2014 questions on use of hallucinogens other than LSD were dropped from one of six forms. Beginning in 2014 data are based on five of six forms; *N* is five sixths of N indicated.

TABLE 34

MDMA (ECSTASY, MOLLY): Trends in Annual Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 12 months																									
	1991-	4000	4007	4000	4000	0000	0004	0000	0000	0004	0005	0000	0007	0000	0000	0040	0011	0040	0040	0044	0045	0040	0047	0040	0040	2018-2019
Approximate weighted N =	<u>1995</u>	1996 17.800	1997 18 600	1998 18.100	1999 16.700	2000 16.700	2001 16.200	2002 15.100	2003 16.500	2004 17 000	2005 16.800	2006 16,500	2007 16,100	2008 15 700	2009 15,000	2010 15.300	2011 16,000	2012 15 100	2013 14.600	2014 14 600	2015 14.400	2016 16.900	2017 15 300	2018 14,000	2019 13 600	<u>change</u>
Total		2.3	2.3	1.8	1.7	3.1	3.5	2.9	2.1	1.7	1.7	1.4	1.5	1.7	1.3	2.4	1.7	1.1	1.1±	1.5	1.4	1.0	0.9	1.1	1.1	+0.1
Gender:		2.5	2.5	1.0	1.7	3.1	3.3	2.5	2.1	1.7	1.7	1.4	1.0	1.7	1.0	2.4	1.7	1.1	1.14	1.0	1.4	1.0	0.5	1.1	1.1	10.1
Male	_	2.2	2.7	2.3	1.7	3.1	3.4	3.1	1.8	1.7	1.6	1.0	1.3	1.4	1.3	2.5	2.0	0.9	1.1±	1.6	1.2	1.0	0.9	1.2	1.2	0.0
Female		2.3	2.0	1.3	1.7	3.0	3.7	2.6	2.2	1.8	1.7	1.7	1.7	2.0	1.2	2.4	1.4	1.2	1.1±	1.5	1.5	0.9	0.9	0.9	1.0	+0.1
College Plans:		2.0	2.0	1.0	1.7	5.0	0.7	2.0	2.2	1.0	1.7	1.7	1.7	2.0	1.2	2.4	1.7	1.2	1.14	1.0	1.0	0.5	0.5	0.5	1.0	10.1
None or under 4 years	_	4.8	6.1	4.8	5.3	6.5	9.2	9.1	6.9	5.4	5.9	3.8	5.4	6.9	4.9	9.9	4.7	3.0	3.1±	4.1	3.3	2.9	3.1	3.3	3.4	+0.1
Complete 4 years		1.9	2.0	1.5	1.2	2.7	2.9	2.3	1.5	1.3	1.3	1.2	1.1	1.3	1.0	1.9	1.5	0.9	1.0±	1.3	1.2	0.8	0.7	0.7	0.8	+0.1
Region:		1.0	2.0	1.0	1.2		2.0	2.0	1.0	1.0	1.0			1.0	1.0	1.0	1.0	0.0	1.04	1.0	1.2	0.0	0.7	0.1	0.0	
Northeast	_	2.1	1.5	1.6	1.8	2.4	3.8	2.0	1.8	1.8	1.1	0.8	0.5	1.2	1.0	1.2	0.9	1.2	0.6‡	1.4	1.0	0.6	0.6	0.7	0.3	-0.4 s
Midwest	_	1.7	1.7	1.7	1.4	3.5	2.9	2.3	2.1	1.4	1.7	1.6	1.2	1.4	1.0	2.4	0.9	0.3	1.2‡	1.2	1.3	0.9	1.0	0.7	0.8	+0.1
South	_	2.8	2.3	2.7	1.8	3.2	3.7	3.7	2.5	1.9	2.1	2.0	1.8	1.8	1.1	2.5	1.5	1.4	1.3‡	1.7	1.7	1.1	0.9	1.2	1.3	+0.1
West	_	2.3	3.8	0.8	1.7	2.9	3.6	3.0	1.6	1.7	1.5	0.7	1.9	2.2	2.2	3.2	3.7	1.3	1.2‡	1.5	1.1	1.1	1.1	1.6	1.7	+0.2
Population Density:		2.0	0.0	0.0	• • • • • • • • • • • • • • • • • • • •	2.0	0.0	0.0		•••		0				0.2	0		+						•••	0.2
Large MSA	_	2.9	1.8	1.8	1.6	3.0	3.1	2.6	1.8	2.1	1.6	1.1	1.4	1.9	1.3	2.5	1.9	1.1	1.1±	1.2	1.7	0.7	0.9	1.2	0.6	-0.6 ss
Other MSA	_	2.5	3.1	2.1	1.8	3.4	4.3	3.3	1.9	1.9	1.6	1.6	1.5	1.7	1.4	2.6	1.9	1.3	1.3‡	1.8	1.4	1.1	0.9	1.1	1.4	+0.3
Non-MSA	_	1.2	1.5	1.5	1.6	2.5	2.5	2.5	2.7	1.0	1.9	1.6	1.8	1.3	1.0	2.0	1.2	0.6	0.8‡	1.2	0.9	1.2	0.8	0.9	1.3	+0.4
Parental Education: a																										
1.0-2.0 (Low)	_	2.9	2.2	2.1	2.5	4.2	5.8	6.0	3.6	3.6	2.5	2.8	3.1	4.1	1.8	5.0	2.2	2.1	2.3‡	2.4	2.5	1.7	2.1	2.0	2.1	+0.1
2.5–3.0	_	2.2	2.4	1.4	2.0	3.9	4.3	3.6	3.1	2.2	3.0	1.5	1.9	1.7	1.6	3.8	2.2	1.7	1.2‡	2.1	1.5	1.1	1.5	1.4	2.3	+0.9
3.5–4.0	_	2.2	2.9	2.6	1.5	2.8	2.4	2.9	2.1	1.7	1.7	1.2	1.1	2.1	1.4	2.2	2.1	1.0	1.0±	1.3	1.2	1.1	0.8	1.1	0.8	-0.3
4.5–5.0	_	2.6	2.0	1.4	1.2	3.1	3.3	2.4	1.4	1.2	1.1	1.3	1.4	1.0	1.1	1.9	1.5	0.6	1.1±	1.0	1.0	1.1	0.5	1.0	0.8	-0.2
5.5–6.0 (High)	_	2.4	2.7	2.5	2.3	2.0	3.0	1.2	2.0	1.7	0.9	1.2	0.8	0.8	1.1	1.1	1.1	0.6	0.6‡	1.3	0.8	0.3	0.5	0.5	0.8	+0.3
Race/Ethnicity (2-year average): b																			F							
White	_	_	2.7	2.4	1.9	2.5	3.2	2.9	2.4	1.9	1.5	1.5	1.4	1.6	1.5	1.9	1.8	1.0	0.9	1.0‡	1.3	0.9	0.7	0.7	0.9	+0.2
African American	_	_	0.3	0.4	0.5	0.6	1.1	1.1	1.0	1.6	1.8	1.4	1.2	0.7	0.4	0.7	1.1	1.0	0.9	1.0‡	1.3	1.3	1.2	0.5	0.2	-0.3 s
Hispanic	_	_	2.5	1.7	1.9	3.3	5.3	5.9	4.0	2.3	2.3	1.8	1.8	2.1	2.1	2.6	3.1	2.4	1.8	1.5‡	1.3	1.3	1.0	1.3	1.5	+0.2

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1996; N is one half of N indicated in Table S2. Data based on two of four forms beginning in 2002; N is one half of N indicated in Table S2. In 2014 a revised question on use of estasy (MDMA) including "Molly" was added to one form.

Beginning in 2014 data reported here are for the revised wording which includes "Molly"; N is two sixths of N indicated in 2014 and five sixths of N indicated beginning in 2015.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined. Two year race data for the 2014 are based on the 2013 and 2014 unchanged forms only. Two year race data for the 2015 are based on the 2014 revised wording data two and one half times weighted and the 2015 revised wording data. Beginning in 2016 two year race data based only on revised wording data.

TABLE 35

MDMA (ECSTASY, MOLLY): Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

	Percentage who used in last 12 months																									
	1991-	4000	4007	4000	1000	0000	0004	0000	0000	0004	0005	0000	0007	0000	0000	0040	0044	0040	0040	0011	0045	0040	0047	0040	0040	2018-2019
A	<u>1995</u>	1996 15.600	1997 15.500	1998 15.000	<u>1999</u>	2000 14.300	<u>2001</u>	2002	2003 15.800	2004	<u>2005</u>	2006 16.200	<u>2007</u>	2008 15.100	2009 15.900	<u>2010</u>	<u>2011</u>	<u>2012</u>	2013 12.900	2014 13.000	2015 15.600	2016 14.700	2017 13.500	<u>2018</u>	<u>2019</u>	<u>change</u>
Approximate weighted N = Total	_	-,	.,	.,	-,	,	,	14,300	3.0	16,400 2.4	16,200	2.8	-,	2.9	3.7	15,200		15,000 3.0	3.6±	-,	2.4	,	-,	14,300	,	+0.3
	_	4.6	3.9	3.3	4.4	5.4	6.2	4.9	3.0	2.4	2.6	2.0	3.5	2.9	3.1	4.7	4.5	3.0	3.01	3.8	2.4	1.8	1.7	1.4	1.7	+0.3
Gender:		4.0	4.7	2.5	4.7	<i>-</i>	7.0	4.0	0.0	0.4	0.0	2.2	0.7	0.4	0.7	5 4	4.0	0.0	4.4+	2.0	0.0	0.0	0.4	4.5	0.4	100 -
Male	_	4.9	4.7	3.5	4.7	5.7	7.6	4.3	2.8	2.4	2.6	3.3	3.7	3.4	3.7	5.4	4.9	3.3	4.4‡	3.9	2.6	2.2	2.1	1.5	2.1	+0.6 s
Female	_	4.2	3.1	2.9	4.2	4.8	4.9	5.2	3.2	2.4	2.5	2.2	3.1	2.4	3.5	4.0	3.8	2.6	2.9i‡	3.6	2.1	1.4	1.3	1.3	1.2	-0.1
College Plans:																										
None or under 4 years	_	7.7	7.5	5.4	8.5	10.7	13.6	10.1	5.7	5.4	5.6	6.9	7.4	7.5	8.6	9.2	10.6	8.3	7.0‡	8.7	5.9	4.8	4.5	3.4	3.7	+0.3
Complete 4 years	_	4.0	3.3	2.9	3.7	4.5	5.1	4.1	2.6	2.0	2.2	2.2	3.0	2.3	3.1	4.2	3.8	2.4	3.2‡	3.2	2.0	1.5	1.4	1.1	1.2	+0.1
Region:																										
Northeast	_	4.4	3.0	3.8	7.0	6.4	8.2	4.4	2.7	2.6	2.2	2.2	2.9	2.0	2.0	3.7	3.2	1.9	3.3‡	3.4	1.9	1.2	1.6	8.0	0.9	+0.1
Midwest	_	3.6	3.2	2.2	2.3	5.2	4.8	4.6	2.5	1.9	3.0	2.8	3.5	2.0	2.8	3.1	2.1	2.4	3.1‡	3.1	1.9	1.6	2.1	1.6	1.1	-0.5
South	_	5.6	5.0	4.1	4.1	5.2	5.9	5.1	3.8	2.6	2.6	3.0	3.6	2.8	3.2	4.5	3.9	2.8	3.9‡	4.8	3.1	1.8	1.5	1.6	1.6	+0.1
West	_	4.1	3.7	2.7	4.4	5.0	6.8	5.2	3.0	2.7	2.5	3.0	3.8	4.5	6.8	7.8	9.2	4.8	3.8‡	3.3	2.3	2.4	1.8	1.4	2.8	+1.4 s
Population Density:																										
Large MSA	_	5.6	4.0	2.5	5.2	7.0	7.3	5.1	2.4	1.8	3.0	2.9	3.0	3.8	3.3	4.8	4.8	3.8	3.1‡	3.4	2.6	1.9	1.9	1.3	1.1	-0.3
Other MSA	_	4.6	3.6	4.1	4.7	5.3	5.5	5.2	3.1	3.1	2.5	2.7	3.7	2.7	4.0	5.3	5.1	2.9	4.6‡	4.4	2.1	1.7	1.6	1.5	2.0	+0.6
Non-MSA	_	3.3	4.2	2.7	2.8	3.7	6.3	3.7	3.8	2.0	2.3	2.8	3.8	2.0	3.5	3.3	3.0	1.9	1.7‡	3.1	2.7	1.9	1.7	1.4	1.7	+0.3
Parental Education: a																										
1.0-2.0 (Low)	_	4.8	3.0	1.9	3.7	7.0	7.2	5.8	2.4	3.3	4.4	3.8	4.3	4.8	6.0	8.5	9.5	5.6	3.5‡	2.5	3.7	2.3	2.0	1.7	1.3	-0.4
2.5–3.0	_	4.7	3.9	3.1	4.4	4.9	6.5	5.5	3.8	3.3	2.8	2.9	4.7	3.5	4.8	5.6	5.0	3.0	5.0‡	4.6	2.3	2.0	2.6	1.6	2.3	+0.7
3.5-4.0	_	4.7	5.2	4.3	4.0	6.3	7.0	5.5	3.5	2.1	3.3	2.5	3.2	3.2	3.8	4.8	4.4	2.5	3.5‡	5.1	3.2	1.8	2.0	1.3	2.0	+0.7
4.5–5.0	_	4.2	2.5	2.9	4.3	5.0	5.3	3.9	2.7	2.3	2.2	2.7	3.2	2.0	2.5	3.6	2.5	2.9	3.1‡	3.8	1.9	1.8	1.1	1.3	1.2	-0.1
5.5-6.0 (High)	_	5.3	4.0	4.4	5.6	4.8	5.8	4.6	2.3	1.4	1.4	3.3	2.8	2.1	3.4	3.6	3.8	2.5	3.0‡	2.5	1.7	1.5	1.3	1.6	1.3	-0.3
Race/Ethnicity (2-year average): b																										
White	_	_	4.8	4.0	4.4	5.3	6.0	6.2	4.6	3.1	2.7	2.9	3.5	3.4	2.9	3.7	4.0	3.2	2.9	3.2‡	3.5	2.2	1.7	1.4	1.4	+0.1
African American	_	_	0.8	1.2	1.3	1.5	2.2	1.8	1.5	0.9	0.6	1.0	1.3	1.3	1.5	1.9	2.2	1.8	1.3	1.3±	1.9	1.5	1.3	1.0	0.8	-0.2
Hispanic			3.6	2.3	2.4	4.6	5.4	4.3	3.4	3.0	4.3	3.9	2.7	3.8	5.6	7.3	8.7	7.3	5.1	3.9‡	3.2	2.1	2.1	2.2	2.0	-0.2

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1996; N is one half of N indicated in Table S2. Data based on one of four forms beginning in 2002; N is one half of N indicated in Table S2. In 2014 a revised question on use of ecstasy (MDMA) including "Molly" was added to one form.

Beginning in 2014 data reported here are for the revised wording which includes "Molly"; N is two sixths of N indicated in 2014 and five sixths of N indicated beginning in 2015.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined. Two year race data for the 2014 are based on the 2013 and 2014 unchanged forms only. Two year race data for the 2015 are based on the 2014 revised wording data two and one half times weighted and the 2015 revised wording data. Beginning in 2016 two year race data based only on revised wording data.

TABLE 36

MDMA (ECSTASY, MOLLY): Trends in Annual Prevalence of Use by Subgroups in Grade 12

		tage who	used in	last 12 n	nonths																					2018–
	1975-	4000	4007	4000	4000	0000	0004	0000	0000	0004	2005	0000	0007	0000	0000	0040	0044	0040	0040	2011	0045	0040	00.17	0040	0040	2019
Annancian et a conintra d'Al-	<u>1995</u>	1996 14.300	<u>1997</u> 15.400	1998 15,200	1999 13.600	2000 12.800	2001 12.800	2002 12.900	2003 14.600	2004 14.600	2005 14.700	<u>2006</u>	2007 14.500	2008 14.000	2009 13.700	2010 14.400	<u>2011</u>	2012 13.700	2013 12.600	2014 12.400	2015 12.900	2016 11.800	<u>2017</u>	2018 13,300	<u>2019</u>	<u>change</u>
Approximate weighted N = Total		,	-,	3.6		8.2	,	,	,	,	3.0	,	,	4.3	-,	,	,	-,	4.0±	,	3.6	2.7		2.2	2.2	0.0
Gender:	_	4.6	4.0	3.0	5.6	0.2	9.2	7.4	4.5	4.0	3.0	4.1	4.5	4.3	4.3	4.5	5.3	3.8	4.01	5.0	3.0	2.1	2.6	2.2	2.2	0.0
Male		4.0	F 6	4.0	5.6	8.1	10.5	8.2	4.8	4.7	3.3	12	5.0	5.5	5.5	5.3	6.3	4.1	5.0±	6.6	4.0	3.3	3.5	2.9	2.9	-0.1
	_	4.8	5.6	4.8						4.7		4.3						4.1		6.6	4.0			1.5		
Female	_	4.2	2.5	2.7	5.6	8.2	8.0	6.4	4.0	3.2	2.7	4.0	4.1	3.3	3.2	3.6	4.6	3.4	2.9‡	3.1	3.1	1.9	1.6	1.5	1.5	0.0
College Plans:		0.0	0.0	4.7	4.0	0.5	0.0	0.0	0.5	5 0	0.7	0.0	0.5	7.0	0.4	4.7	0.5	4.0	4.04	5.0	0.4	0.0	0.0	0.4	4.4	.0.7
None or under 4 years	_	6.9	3.8	4.7	4.2	8.5	9.8	8.9	6.5	5.3	3.7	6.0	6.5	7.2	6.1	4.7	8.5	4.8	4.3‡	5.6	6.1	3.0	3.8	3.4	4.1	+0.7
Complete 4 years	_	4.0	3.9	3.3	6.2	8.0	8.7	7.1	3.9	3.6	2.8	3.7	3.9	3.7	3.9	4.4	4.7	3.4	4.0‡	4.6	3.1	2.4	2.1	1.8	1.7	-0.2
Region:																										
Northeast	_	6.3	6.9	3.7	9.4	8.8	10.1	10.3	5.1	3.5	3.0	2.9	4.3	2.9	3.8	4.5	5.9	3.7	4.6‡	6.0	3.9	2.1	1.7	1.6	1.3	-0.4
Midwest	_	3.7	1.3	2.7	3.3	5.7	11.8	5.0	4.7	3.0	3.0	3.4	4.4	2.8	4.5	3.5	3.7	2.4	3.9‡	2.8	2.3	2.9	1.9	2.2	1.5	-0.7
South	_	4.6	4.3	4.0	5.7	5.9	5.7	7.9	4.2	5.1	3.4	4.9	4.6	4.6	3.8	3.6	4.4	3.2	3.7‡	5.4	2.7	2.4	2.6	1.8	2.6	+0.8 s
West	_	3.9	4.1	4.0	5.0	14.4	10.3	6.8	4.2	3.8	2.5	4.6	4.7	6.6	5.2	6.9	7.9	5.9	4.0‡	5.6	5.9	3.3	3.8	3.1	3.0	-0.2
Population Density:																										
Large MSA	_	3.6	3.6	3.2	6.1	8.7	10.9	8.4	4.3	4.0	3.5	6.1	5.8	4.7	4.1	5.2	5.8	5.1	5.1‡	4.2	3.5	2.3	2.6	2.1	1.7	-0.4
Other MSA	_	5.1	4.6	4.3	6.1	8.4	9.7	8.1	5.0	4.5	3.2	3.1	4.0	4.8	4.7	4.9	5.7	3.7	3.9‡	6.8	3.6	2.9	2.9	2.2	2.4	+0.2
Non-MSA	_	4.5	3.4	2.7	4.2	7.4	6.4	4.6	4.0	2.8	2.1	3.1	3.7	2.8	3.5	2.2	3.7	1.8	2.6‡	1.8	3.9	2.6	1.9	2.2	2.5	+0.3
Parental Education: a																										
1.0-2.0 (Low)	_	5.5	3.5	4.2	6.8	7.3	3.8	4.8	4.1	4.6	3.0	3.8	4.7	4.0	6.2	3.8	6.3	3.7	5.3‡	6.4	3.4	2.9	3.3	1.7	1.8	+0.1
2.5–3.0	_	5.0	3.1	3.2	5.1	7.7	10.3	8.0	3.8	3.7	3.9	3.6	4.9	4.0	2.5	4.9	5.5	3.5	3.8‡	4.1	3.9	2.7	3.1	2.7	2.9	+0.2
3.5-4.0	_	4.9	3.8	3.2	5.7	6.2	8.4	7.5	5.7	4.6	2.8	3.9	4.4	5.3	4.6	4.7	5.0	4.1	4.1‡	4.2	4.3	2.4	2.5	2.0	1.8	-0.2
4.5–5.0	_	4.0	2.9	4.3	6.2	8.3	11.2	7.3	5.0	3.8	3.2	5.1	4.1	3.6	4.9	4.2	5.7	3.9	3.2‡	4.9	3.1	2.5	2.1	2.0	1.9	0.0
5.5-6.0 (High)	_	4.1	8.7	3.5	4.7	10.6	8.1	7.6	3.3	3.1	2.0	3.6	4.6	4.1	4.0	4.3	4.4	3.6	5.9‡	6.7	3.7	2.9	2.4	2.5	2.5	0.0
Race/Ethnicity (2-year average): b																										
White	_	_	5.2	4.7	5.1	7.6	9.6	8.5	6.4	4.7	3.9	4.0	4.9	4.8	4.6	4.5	5.1	4.9	4.0	3.9‡	4.0	3.3	2.7	2.6	2.4	-0.2
African American	_	_	0.4	0.4	0.5	1.3	2.4	1.7	1.4	1.6	1.4	1.8	2.1	2.2	2.4	2.6	2.4	1.5	1.1	1.7‡	3.3	2.2	1.6	0.9	1.1	+0.2
Hispanic	_	_	2.8	2.7	6.0	10.6	10.2	7.0	5.3	3.7	3.0	3.0	3.3	3.2	3.9	4.6	4.4	4.5	4.5	3.9‡	3.8	2.8	2.2	2.1	1.8	-0.3

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of six forms in 1996–2001; N is one sixth of N indicated in Table S3. Data based on two of six forms beginning in 2002; N is two sixths of N indicated in Table S3. Beginning in 2014 a revised question on use of ecstasy (MDMA) including "Molly" was added to one form. Beginning in 2014 data reported here are for the revised wording which includes "Molly". N is one sixth of N indicated in 2014 and three sixths of N indicated beginning in 2015.

${\it Caution:} \quad \hbox{Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.}$

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined. Two year race data for 2014 are based on the 2013 and 2014 unchanged forms only. Two year race data for the 2015 are based on the 2014 revised wording data triple weighted and the 2015 revised wording data.

Beginning in 2016 two year race data based only on revised wording data.

TABLE 37
SALVIA: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 8</u>

	Percentage who used in last 12 months													
												2018– 2019		
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	change		
Approximate weighted N =	15,000	15,300	16,000	15,100	14,600	14,600	14,400	16,900	15,300	14,000	13,600			
Total	_	1.7	1.6	1.4	1.2	0.6	0.7	0.9	0.4	0.6	8.0	+0.1		
Gender:														
Male	_	2.6	2.0	1.4	1.6	0.6	0.7	1.2	0.5	1.0	1.0	0.0		
Female	_	1.0	1.1	1.1	0.9	0.6	0.6	0.7	0.2	0.3	0.5	+0.2		
College Plans:														
None or under 4 years	_	4.4	5.4	5.2	4.2	2.7	1.7	5.5	1.4	2.0	2.1	+0.1		
Complete 4 years	_	1.4	1.3	1.1	1.0	0.4	0.6	0.5	0.2	0.4	0.6	+0.1		
Region:														
Northeast	_	1.9	1.8	0.5	8.0	8.0	0.5	0.7	0.1	0.5	0.2	-0.3		
Midwest	_	1.6	1.1	0.4	0.3	0.2	0.5	0.5	0.2	0.2	0.5	+0.3		
South	_	1.4	1.5	2.4	1.1	0.8	8.0	1.4	0.5	0.9	1.4	+0.5		
West	_	2.4	2.1	1.2	2.6	0.5	0.7	0.7	0.5	8.0	0.5	-0.3		
Population Density:														
Large MSA	_	2.0	1.3	1.9	1.4	0.5	0.7	0.9	0.3	1.0	1.0	0.0		
Other MSA	_	1.6	2.1	1.3	1.1	8.0	0.7	1.0	0.5	0.5	0.9	+0.4		
Non-MSA	_	1.9	0.9	0.6	1.2	0.3	0.4	0.7	0.2	0.3	0.1	-0.2		
Parental Education: a														
1.0-2.0 (Low)	_	2.3	4.7	1.4	2.3	1.0	1.3	2.2	1.3	0.9	1.2	+0.3		
2.5–3.0	_	1.7	2.5	1.3	1.1	0.4	0.5	1.1	0.2	0.1	1.5	+1.4 s		
3.5-4.0	_	0.9	1.7	1.0	1.4	0.3	0.4	1.9	0.0	0.4	0.4	0.0		
4.5–5.0	_	2.1	1.0	1.5	1.4	8.0	0.7	0.1	0.5	0.9	0.3	-0.6		
5.5-6.0 (High)	_	1.5	0.2	1.4	0.5	0.7	0.2	0.5	0.4	0.3	8.0	+0.5		
Race/Ethnicity (2-year average): b														
White	_	_	1.5	1.2	0.9	0.6	0.4	0.4	0.3	0.3	0.4	+0.1		
African American	_	_	1.4	1.5	1.4	8.0	0.6	1.1	1.2	1.3	1.6	+0.3		
Hispanic	_	_	2.1	2.4	2.2	1.6	0.9	1.3	1.1	0.6	8.0	+0.3		

Notes. '—' indicates data not available. See Table S1 for the number of subgroup cases. See appendix B for definition of variables

in table. Data for 8th graders based on one of four forms; N is one third of N indicated in Table S1.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^b To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase

subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 38 **SALVIA:** Trends in <u>Annual Prevalence of Use by Subgroups in <u>Grade 10</u></u>

				Perc	entage wh	o used in	last 12 m	onths				_
												2018– 2019
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	change
Approximate weighted N =	15,900	15,200	14,900	15,000	12,900	13,000	15,600	14,700	13,500	14,300	14,000	
Total	_	3.7	3.9	2.5	2.3	1.8	1.2	0.9	0.9	0.7	0.9	+0.2
Gender:												
Male	_	5.4	5.0	3.7	3.4	2.2	1.8	1.3	1.0	8.0	1.4	+0.6
Female	_	1.9	2.7	1.4	1.3	1.4	0.5	0.5	8.0	0.6	0.5	-0.1
College Plans:												
None or under 4 years	_	8.1	12.1	8.2	5.4	5.7	3.8	1.9	1.4	1.4	1.7	+0.3
Complete 4 years	_	3.2	2.9	1.9	2.0	1.3	0.9	8.0	8.0	0.6	8.0	+0.2
Region:												
Northeast	_	2.8	5.0	3.6	2.6	1.4	1.5	0.9	0.3	1.0	0.2	-0.7
Midwest	_	3.1	3.4	1.3	0.9	1.3	0.7	1.0	0.9	0.6	0.6	+0.1
South	_	4.0	3.4	2.0	1.8	1.9	1.0	0.7	0.7	0.3	8.0	+0.4
West	_	4.7	4.2	3.8	4.1	2.6	1.7	1.3	1.7	1.4	1.9	+0.5
Population Density:												
Large MSA	_	4.3	3.8	2.3	2.5	2.1	1.1	1.0	1.1	1.0	0.6	-0.4
Other MSA	_	3.3	3.8	2.6	2.1	1.4	1.2	0.7	0.7	0.7	1.2	+0.5
Non-MSA	_	3.7	4.1	2.7	2.6	2.4	1.3	1.3	1.1	0.4	0.6	+0.2
Parental Education: a												
1.0-2.0 (Low)	_	5.8	2.6	3.6	3.3	1.6	1.6	8.0	1.9	2.3	1.1	-1.2
2.5-3.0	_	4.4	5.1	3.3	3.0	1.8	1.8	1.4	0.9	0.4	1.1	+0.7
3.5-4.0	_	3.6	4.6	2.2	2.1	2.3	1.1	8.0	0.9	0.5	1.3	+0.8
4.5-5.0	_	2.7	3.3	2.0	2.3	1.6	1.0	0.7	1.0	0.6	0.7	+0.2
5.5-6.0 (High)	_	4.0	2.8	2.5	1.2	1.3	0.6	0.6	0.3	0.3	0.5	+0.2
Race/Ethnicity (2-year average): b												
White	_	_	3.9	3.4	2.3	2.1	1.6	1.0	8.0	0.6	0.7	+0.1
African American	_	_	1.6	0.7	1.3	1.3	1.7	1.2	0.7	0.7	0.9	+0.2
Hispanic	_	_	4.7	4.0	2.8	1.6	8.0	1.1	1.2	1.2	1.1	-0.2

Notes. '—' indicates data not available. See Table S2 for the number of subgroup cases. See appendix B for definition of variables

in table. Data for 10th graders based on one of four forms; N is one third of N indicated in Table S2.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^b To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase

subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 39
SALVIA: Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months												
•												2018– 2019	
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	change	
Approximate weighted N =	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900		
Total	5.7	5.5	5.9	4.4	3.4	1.8	1.9	1.8	1.5	0.9	0.7	-0.2	
Gender:													
Male	9.3	8.5	8.6	5.6	5.0	2.3	2.4	2.2	1.0	1.0	0.7	-0.3	
Female	2.3	2.5	3.3	3.0	1.8	1.0	1.0	0.9	1.6	0.4	0.7	+0.3	
College Plans:													
None or under 4 years	7.4	9.2	11.4	5.9	6.7	3.4	3.0	3.6	2.9	1.4	0.8	-0.6	
Complete 4 years	5.2	4.7	4.8	3.9	2.5	1.4	1.4	1.2	1.1	0.5	0.6	+0.2	
Region:													
Northeast	7.1	6.2	6.0	5.3	3.9	2.9	1.3	1.8	2.8	2.3	0.0	-2.3	
Midwest	5.0	5.0	3.1	2.6	1.3	1.5	1.3	1.0	1.6	0.4	0.3	-0.1	
South	4.8	5.3	5.2	3.8	3.6	1.7	1.4	1.6	1.2	1.2	0.9	-0.2	
West	6.9	6.1	9.9	6.5	5.2	1.5	3.5	2.8	1.3	0.2	1.2	+1.0	
Population Density:													
Large MSA	7.8	6.7	7.0	5.0	2.8	2.3	2.0	1.4	1.7	1.3	1.0	-0.3	
Other MSA	5.0	5.5	6.1	4.7	4.2	1.9	1.4	2.6	1.2	0.4	0.4	0.0	
Non-MSA	4.6	4.1	4.1	2.9	2.5	1.0	2.7	0.6	1.9	1.3	0.8	-0.5	
Parental Education: a													
1.0-2.0 (Low)	5.8	5.4	6.3	8.3	7.1	1.9	2.5	4.5	1.0	1.1	1.8	+0.7	
2.5-3.0	4.6	4.4	5.3	3.7	4.1	1.9	1.6	1.2	1.8	0.9	0.4	-0.5	
3.5-4.0	6.2	6.0	6.6	3.5	3.1	1.6	2.1	1.1	2.8	1.5	0.8	-0.7	
4.5-5.0	5.5	5.6	5.4	4.6	2.6	1.7	1.0	1.6	0.5	0.6	0.0	-0.6	
5.5-6.0 (High)	7.0	6.7	6.0	4.2	2.3	1.9	1.7	1.6	0.2	0.1	0.9	+0.8	
Race/Ethnicity (2-year average): b													
White	_	6.3	6.2	5.3	3.8	2.5	1.7	1.5	1.6	1.4	0.5	-0.9 ss	
African American	_	2.5	2.5	2.8	2.6	1.7	1.6	1.9	1.8	0.9	0.3	-0.6	
Hispanic	_	4.4	4.6	5.6	4.8	2.0	1.0	1.8	1.6	1.4	1.8	+0.5	

Notes. '—' indicates data not available. See Table S3 for the number of subgroup cases. See appendix B for definition of variables

in table Data for 12th graders based on two of six forms; N is two sixths of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^b To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase

subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 40
COCAINE: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 8</u>

	Percentage who used in last 12 months														
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800
Total	1.1	1.5	1.7	2.1	2.6	3.0	2.8	3.1	2.7	2.6	2.5	2.3	2.2	2.0	2.2
Gender:															
Male	1.4	1.5	1.9	2.1	2.5	2.7	3.1	2.9	2.8	2.6	2.4	2.2	1.9	1.7	2.0
Female	0.9	1.5	1.5	2.1	2.6	3.1	2.5	3.1	2.7	2.6	2.6	2.3	2.3	2.3	2.3
College Plans:															
None or under 4 years	3.2	4.8	5.4	6.6	7.0	7.9	7.5	9.4	8.1	7.5	7.0	7.2	7.1	6.8	6.1
Complete 4 years	8.0	1.0	1.1	1.5	2.0	2.2	2.2	2.3	2.0	2.0	2.0	1.8	1.6	1.5	1.8
Region:															
Northeast	1.3	8.0	1.0	2.2	2.2	2.6	2.4	1.9	2.2	1.6	1.9	1.6	1.6	1.9	1.8
Midwest	0.9	1.4	1.0	1.2	2.6	2.9	2.6	2.7	2.6	2.9	2.3	2.3	2.0	1.6	2.0
South	1.1	1.7	2.1	2.5	2.4	2.7	2.6	3.8	3.1	2.2	3.2	2.6	2.5	2.1	2.4
West	1.5	2.0	2.7	2.3	3.3	3.7	3.7	3.3	2.7	3.7	2.4	2.4	2.3	2.4	2.4
Population Density:															
Large MSA	1.1	1.4	1.3	1.9	2.4	2.8	2.4	2.3	2.1	2.3	2.1	2.0	1.7	2.2	2.2
Other MSA	1.1	1.7	2.2	2.5	2.8	3.2	2.9	3.3	2.8	2.5	2.8	2.3	2.2	2.1	2.2
Non-MSA	1.2	1.3	1.2	1.4	2.4	2.7	3.0	3.4	3.2	3.1	2.5	2.6	2.7	1.7	2.2
Parental Education: a															
1.0-2.0 (Low)	2.4	3.2	2.9	3.5	4.9	3.9	4.7	6.3	5.6	5.3	4.4	3.7	4.1	3.3	4.2
2.5–3.0	1.4	1.6	2.0	2.3	2.4	3.3	3.0	3.3	3.1	2.9	2.8	2.8	2.4	2.5	2.9
3.5-4.0	0.7	1.2	1.8	2.1	2.8	3.3	2.8	3.1	2.8	2.5	2.4	2.2	2.2	2.0	2.5
4.5–5.0	0.7	1.0	1.0	1.6	1.9	2.7	2.6	2.2	1.7	1.8	2.1	2.0	1.5	1.8	1.5
5.5-6.0 (High)	1.2	1.5	1.1	1.9	2.5	2.5	2.3	2.5	2.5	2.2	1.6	1.5	2.0	1.2	1.2
Race/Ethnicity (2-year average): b															
White	_	1.2	1.3	1.6	2.3	2.8	3.0	2.8	2.6	2.5	2.5	2.4	2.2	1.9	1.8
African American	_	0.7	0.7	0.7	0.6	0.6	0.5	0.7	0.8	0.8	8.0	0.8	0.9	1.0	1.0
Hispanic	_	3.1	4.0	4.5	4.7	4.8	4.3	5.2	5.9	4.7	4.2	4.1	3.8	3.6	3.6

TABLE 40 (cont.)

COCAINE: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 8</u>

_		4.5		
Percen	tage who	usea in	iast 12	months

															2018-2019
	<u>2006</u>	2007	2008	2009	<u>2010</u>	<u>2011</u>	2012	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	2018	2019	<u>change</u>
Approximate weighted N =	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	14,400	16,900	15,300	14,000	13,600	
Total	2.0	2.0	1.8	1.6	1.6	1.4	1.2	1.0	1.0	0.9	8.0	8.0	8.0	0.7	-0.1
Gender:															
Male	1.9	1.7	1.8	1.4	1.5	1.3	1.1	1.0	0.9	0.9	8.0	0.7	8.0	0.7	-0.1
Female	2.1	2.2	1.8	1.7	1.7	1.3	1.2	1.0	1.1	8.0	0.7	8.0	0.6	8.0	+0.1
College Plans:															
None or under 4 years	7.1	6.5	6.9	6.4	5.6	5.5	4.6	3.4	3.0	2.5	2.3	2.6	2.4	1.3	-1.1 s
Complete 4 years	1.5	1.5	1.3	1.2	1.3	1.1	0.9	8.0	8.0	0.8	0.6	0.5	0.5	0.6	+0.1
Region:															
Northeast	1.3	1.2	1.2	1.4	1.0	0.9	1.1	8.0	0.5	0.6	0.5	0.5	0.5	0.3	-0.2
Midwest	1.3	1.6	1.9	1.8	2.0	1.3	0.6	8.0	8.0	8.0	0.6	0.6	0.5	0.4	-0.1
South	2.9	2.3	2.2	1.2	1.6	1.3	1.4	1.0	1.3	1.0	1.0	0.6	0.7	0.9	+0.2
West	1.9	2.2	1.6	2.1	1.7	2.1	1.4	1.3	1.3	1.1	0.9	1.3	1.4	1.0	-0.4
Population Density:															
Large MSA	1.9	1.9	2.0	1.1	1.4	1.5	1.3	1.0	1.2	1.0	8.0	0.7	8.0	8.0	0.0
Other MSA	2.0	2.1	1.7	1.9	1.8	1.5	1.2	1.0	1.0	1.1	0.7	0.9	0.7	0.7	0.0
Non-MSA	2.2	1.8	1.7	1.4	1.5	1.2	0.9	8.0	1.0	0.4	1.0	0.5	0.7	0.5	-0.2
Parental Education: a															
1.0-2.0 (Low)	4.4	3.8	3.6	3.9	3.3	2.6	2.6	2.1	1.8	1.2	1.8	1.3	1.7	1.5	-0.2
2.5–3.0	2.2	2.2	2.3	1.8	2.0	2.1	1.6	1.1	1.1	0.9	8.0	1.1	8.0	8.0	0.0
3.5-4.0	2.0	1.8	1.8	1.5	1.6	1.6	1.2	0.9	1.1	8.0	0.8	8.0	0.7	8.0	+0.1
4.5–5.0	1.4	1.4	1.2	8.0	1.2	0.9	0.5	0.7	0.9	0.6	0.6	0.5	0.7	0.6	-0.2
5.5-6.0 (High)	1.5	1.3	1.4	1.5	1.2	0.8	0.7	8.0	0.6	1.0	0.5	0.3	0.4	0.6	+0.2
Race/Ethnicity (2-year average): b															
White	1.9	1.7	1.6	1.5	1.4	1.3	1.0	0.9	0.7	0.7	0.6	0.5	0.5	0.5	0.0
African American	0.9	0.9	0.8	0.8	0.7	0.5	0.6	0.8	0.8	0.7	0.6	1.1	1.2	1.3	+0.1
Hispanic	3.5	3.8	3.5	2.8	2.8	2.9	2.6	1.8	1.4	1.3	1.2	1.7	1.8	1.5	-0.2

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 41
COCAINE: Trends in Annual Prevalence of Use by Subgroups in Grade 10

						Percer	ntage wh	o used ir	n last 12	months					
	<u>1991</u>	<u>1992</u>	<u>1993</u>	1994	<u>1995</u>	1996	1997	<u>1998</u>	1999	2000	2001	2002	2003	2004	<u>2005</u>
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200
Total	2.2	1.9	2.1	2.8	3.5	4.2	4.7	4.7	4.9	4.4	3.6	4.0	3.3	3.7	3.5
Gender:															
Male	2.2	2.0	2.5	3.1	3.5	4.5	4.7	4.9	5.2	4.7	3.8	4.2	3.3	3.9	3.6
Female	2.2	1.7	1.6	2.5	3.3	4.0	4.6	4.4	4.6	4.1	3.2	3.9	3.2	3.4	3.3
College Plans:															
None or under 4 years	4.7	4.0	5.1	6.6	7.2	10.0	10.4	10.7	11.6	9.7	9.1	10.1	8.3	9.4	8.8
Complete 4 years	1.7	1.4	1.4	2.0	2.8	3.2	3.7	3.6	3.8	3.5	2.7	3.1	2.4	2.9	2.8
Region:															
Northeast	1.5	1.0	2.0	2.4	2.5	3.0	3.0	4.9	4.6	3.1	2.3	2.4	3.1	3.4	3.6
Midwest	1.7	1.7	1.4	2.2	2.9	4.1	4.0	3.7	4.4	4.6	3.4	3.6	2.7	3.2	3.4
South	2.0	1.8	1.9	2.6	3.5	4.2	5.4	4.3	5.2	4.2	3.8	3.8	3.5	3.5	2.9
West	3.6	3.2	3.7	4.7	5.3	5.9	6.4	6.4	5.3	5.7	4.9	6.5	3.7	4.8	4.4
Population Density:															
Large MSA	1.9	1.6	1.6	2.3	3.4	3.8	4.5	4.3	4.1	4.3	3.2	3.6	2.5	3.3	3.3
Other MSA	2.7	2.1	2.3	3.1	3.5	4.7	4.3	4.7	5.1	4.2	3.7	4.4	3.2	3.8	3.4
Non-MSA	1.6	1.7	2.1	2.7	3.6	3.7	5.7	5.2	5.4	4.7	3.8	3.8	4.6	3.9	3.8
Parental Education: a															
1.0-2.0 (Low)	3.3	3.5	3.2	3.8	5.3	7.4	6.3	8.1	8.2	7.7	5.6	7.9	7.0	6.5	5.3
2.5–3.0	2.4	1.7	2.2	2.9	4.3	4.5	5.0	5.5	5.9	5.4	5.2	4.8	3.9	4.2	4.6
3.5-4.0	2.4	2.1	2.5	3.2	3.7	4.3	5.4	4.4	4.7	4.4	2.9	3.8	3.4	4.0	3.4
4.5–5.0	1.6	1.4	1.6	2.1	2.6	3.4	3.7	3.5	3.9	3.2	2.7	2.4	2.2	3.0	2.8
5.5-6.0 (High)	1.9	1.5	1.1	1.9	1.9	3.4	3.3	3.2	3.9	2.9	2.0	3.2	1.6	1.8	2.4
Race/Ethnicity (2-year average): b															
White	_	2.1	2.0	2.2	3.0	3.8	4.4	4.7	4.9	4.7	3.9	3.9	3.9	3.7	3.7
African American	_	0.6	0.6	1.0	0.9	0.7	0.8	1.0	0.9	0.6	0.8	1.0	0.9	0.8	1.0
Hispanic	_	3.7	3.7	4.9	5.5	7.0	8.5	8.3	8.2	8.0	6.6	6.0	6.1	5.8	6.4

TABLE 41 (cont.)

COCAINE: Trends in Annual Prevalence of Use by Subgroups in Grade 10

					Pe	rcentage	e who us	ed in las	t 12 mor	iths					
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2018-2019 <u>change</u>
Approximate weighted N =				15,900	15,200	14,900	15,000	12,900	13.000			13.500	14,300	14.000	change
Total	3.2	3.4	3.0	2.7	2.2	1.9	2.0	1.9	1.5	1.8	1.3	1.4	1.5	1.5	-0.1
Gender:															
Male	3.2	3.6	3.0	2.8	2.7	2.3	2.3	2.5	1.8	1.9	1.5	1.7	1.8	1.5	-0.2
Female	3.1	3.3	2.8	2.4	1.6	1.4	1.6	1.3	1.0	1.7	1.0	1.0	1.3	1.3	+0.1
College Plans:															
None or under 4 years	9.0	8.6	8.7	8.5	7.2	5.5	6.8	4.1	4.8	4.3	4.0	3.8	3.8	2.3	-1.5
Complete 4 years	2.4	2.8	2.2	2.0	1.6	1.5	1.5	1.6	1.1	1.6	0.9	1.1	1.2	1.2	0.0
Region:															
Northeast	2.5	2.9	2.0	2.4	2.0	2.0	1.3	1.2	1.2	1.7	0.8	0.9	1.0	0.6	-0.4
Midwest	3.2	3.6	2.5	2.4	1.8	1.3	1.4	1.3	1.3	1.2	1.0	1.4	1.1	1.0	-0.1
South	3.2	3.5	3.5	2.4	1.9	1.9	2.2	2.0	1.5	1.8	1.4	1.3	2.1	1.8	-0.3
West	3.8	3.6	3.3	3.6	3.3	2.4	2.7	2.7	1.7	2.5	1.6	1.8	1.4	1.8	+0.4
Population Density:															
Large MSA	2.8	3.3	2.8	2.4	2.1	1.9	2.1	1.8	1.2	1.7	1.3	1.8	1.4	0.9	-0.6
Other MSA	3.2	3.4	3.3	3.1	2.3	2.0	1.7	2.1	1.3	1.7	1.2	1.3	1.9	1.9	0.0
Non-MSA	3.8	3.7	2.4	2.2	2.1	1.6	2.2	1.3	2.2	2.1	1.4	0.9	1.0	1.3	+0.4
Parental Education: a															
1.0-2.0 (Low)	6.5	6.4	6.8	6.0	4.4	3.4	5.3	3.1	2.7	3.9	1.4	2.0	2.5	2.2	-0.3
2.5–3.0	4.1	3.9	3.5	3.3	2.5	2.0	2.3	2.4	1.5	2.3	1.9	1.9	1.8	1.9	+0.1
3.5-4.0	2.9	3.5	2.7	2.7	1.9	1.9	1.6	1.6	1.8	1.9	1.0	1.1	1.7	1.7	0.0
4.5–5.0	2.0	2.5	2.2	1.6	1.8	1.4	1.5	1.4	8.0	1.1	1.1	1.0	1.0	0.9	-0.2
5.5-6.0 (High)	3.0	2.5	1.6	2.0	1.4	1.3	1.2	1.6	1.1	1.2	8.0	1.2	1.5	1.0	-0.5
Race/Ethnicity (2-year average): b															
White	3.5	3.5	3.2	2.6	2.1	1.7	1.6	1.6	1.5	1.5	1.5	1.3	1.3	1.2	-0.1
African American	1.0	8.0	8.0	0.9	0.9	0.7	1.3	1.6	0.9	1.0	0.8	0.7	0.6	0.3	-0.3
Hispanic	5.9	4.9	5.2	5.2	4.6	4.1	3.8	3.7	2.8	2.2	1.9	1.5	2.3	2.6	+0.4

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 42
COCAINE: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

									Percer	ntage wh	o used in	ı last 12 ı	months			
	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	1980	<u>1981</u>	1982	1983	1984	1985	1986	1987	1988	1989	1990
Approximate weighted N =	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200
Total	5.6	6.0	7.2	9.0	12.0	12.3	12.4	11.5	11.4	11.6	13.1	12.7	10.3	7.9	6.5	5.3
Gender:																
Male	7.5	7.5	9.3	11.4	14.6	14.8	13.8	13.1	13.2	13.8	14.8	14.3	11.3	9.1	8.1	6.6
Female	3.9	4.4	4.9	6.5	9.3	9.8	10.4	9.6	9.3	9.1	11.2	10.9	9.2	6.5	4.9	3.8
College Plans:																
None or under 4 years	_	6.6	8.1	9.5	13.7	13.2	12.4	12.5	12.2	13.2	14.7	15.7	12.4	9.7	9.3	7.8
Complete 4 years	_	5.0	5.5	7.7	9.5	10.8	11.5	9.9	9.9	9.7	11.4	10.4	9.0	6.7	5.3	4.1
Region:																
Northeast	5.3	6.6	7.9	11.8	13.8	14.2	16.8	16.9	15.2	19.5	20.8	17.9	13.3	9.1	7.3	6.5
Midwest	5.1	5.5	6.3	8.5	10.5	10.9	9.4	9.0	8.0	5.8	8.2	10.1	7.5	6.1	5.3	4.1
South	5.4	5.1	6.0	6.8	8.5	7.8	6.8	6.3	7.7	7.7	7.5	7.1	7.0	6.2	6.0	4.8
West	7.8	7.9	10.2	10.7	18.6	20.6	22.1	17.9	19.2	19.3	19.7	20.0	16.4	12.1	8.5	6.6
Population Density:																
Large MSA	7.3	8.6	8.6	12.3	16.6	18.7	17.5	17.2	16.9	16.8	18.8	18.8	12.9	9.3	6.4	5.6
Other MSA	5.9	5.8	7.3	8.9	11.7	11.3	11.5	10.1	11.2	11.0	12.4	12.0	10.1	8.5	7.1	5.4
Non-MSA	4.3	4.3	5.8	6.4	8.9	8.9	9.4	8.5	7.3	8.3	9.2	9.0	8.1	5.3	5.4	4.8
Parental Education: a																
1.0-2.0 (Low)	4.5	5.3	5.5	6.3	8.4	9.0	8.3	7.6	9.0	9.4	12.0	10.5	8.7	7.6	6.7	4.7
2.5–3.0	4.6	6.1	6.8	8.7	11.1	11.2	10.5	11.0	9.8	10.9	12.7	12.9	9.9	7.4	6.4	5.6
3.5-4.0	4.5	5.9	7.2	9.0	13.2	13.3	13.3	12.5	11.7	12.2	14.0	13.6	11.2	7.2	6.4	5.6
4.5–5.0	6.3	7.6	8.1	10.4	14.0	13.6	14.9	13.6	13.1	12.2	13.7	12.2	10.0	8.7	7.1	4.4
5.5-6.0 (High)	5.2	7.1	9.5	11.6	15.2	16.3	16.2	13.8	15.1	13.4	11.9	12.5	10.8	8.1	5.8	5.5
Race/Ethnicity (2-year average): b																
White	_	_	6.5	8.3	10.9	12.8	13.0	12.6	11.8	11.9	13.0	13.5	12.0	9.6	7.6	6.3
African American	_	_	4.8	4.6	4.6	5.2	4.8	5.2	7.2	6.3	5.3	5.8	4.8	3.8	2.9	1.7
Hispanic			7.2	7.5	8.9	11.2	12.4	12.1	11.4	13.3	16.3	16.7	14.0	9.9	7.8	7.4

TABLE 42 (cont.)

COCAINE: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

						Pe	ercentage	e who us	ed in last	t 12 mon	ths					
Approximate weighted N =	<u>1991</u> 15,000	<u>1992</u> 15,800	<u>1993</u> 16,300	<u>1994</u> 15,400	<u>1995</u> 15,400	<u>1996</u> 14,300	<u>1997</u> 15,400	<u>1998</u> 15,200	<u>1999</u> 13,600	2000 12,800	2001 12,800	2002 12,900	2003 14,600	2004 14,600	2005 14,700	2006 14,200
Total	3.5	3.1	3.3	3.6	4.0	4.9	5.5	5.7	6.2	5.0	4.8	5.0	4.8	5.3	5.1	5.7
Gender:																
Male	4.1	3.7	4.0	4.5	4.8	6.0	6.6	6.8	7.3	5.8	5.4	5.9	5.9	6.5	5.8	6.0
Female	2.6	2.4	2.3	2.8	3.1	3.5	4.2	4.5	5.0	3.9	4.1	4.0	3.7	4.1	4.2	5.2
College Plans:																
None or under 4 years	4.9	5.1	4.5	5.3	5.6	7.5	8.1	9.7	9.1	7.1	8.2	8.6	6.0	8.3	7.5	8.1
Complete 4 years	2.8	2.4	2.8	3.0	3.4	4.0	4.4	4.5	5.4	4.2	3.7	3.9	4.2	4.3	4.4	5.1
Region:																
Northeast	3.8	2.8	3.1	3.1	3.8	5.5	6.6	5.9	4.3	4.1	4.8	5.0	5.2	5.0	4.7	6.7
Midwest	3.2	2.5	2.4	3.7	3.4	3.8	4.7	5.8	6.2	4.8	5.7	5.2	3.9	4.2	5.0	4.2
South	3.0	3.2	3.1	3.4	3.6	4.6	4.8	5.8	6.9	4.7	3.9	5.0	4.7	5.4	5.3	6.4
West	4.4	4.3	4.9	4.5	5.8	6.1	6.8	5.4	6.9	6.3	5.0	4.6	5.8	7.0	5.0	5.5
Population Density:																
Large MSA	4.1	3.6	2.7	3.3	4.4	4.8	4.7	5.4	5.0	4.1	4.3	4.1	3.8	4.7	5.2	7.4
Other MSA	3.7	3.3	3.9	4.1	3.9	4.9	5.6	5.8	6.6	4.9	5.0	5.4	5.7	5.8	5.2	4.8
Non-MSA	2.5	2.4	2.7	3.2	3.9	4.9	6.0	6.0	6.9	6.1	5.2	5.3	4.6	5.0	4.7	4.9
Parental Education: ^a																
1.0-2.0 (Low)	3.5	3.9	3.5	4.1	4.8	5.3	6.5	6.9	9.0	6.2	5.7	6.6	4.8	7.3	4.3	6.1
2.5–3.0	3.8	3.3	3.0	4.0	3.9	5.0	5.5	6.3	6.0	4.6	6.0	5.3	4.1	5.2	6.6	6.3
3.5-4.0	3.7	3.0	3.8	3.8	4.2	5.0	5.6	6.0	6.8	5.0	4.8	5.3	5.2	5.3	5.2	5.7
4.5–5.0	3.1	2.9	3.0	3.1	3.7	4.8	5.2	5.0	5.4	5.3	4.4	4.2	4.7	5.2	4.3	5.1
5.5–6.0 (High)	2.4	2.6	2.4	3.3	3.4	4.3	4.4	4.4	5.2	3.9	2.6	4.3	4.4	4.3	4.1	5.7
Race/Ethnicity (2-year average): b																
White	4.6	3.3	3.1	3.5	4.0	4.5	5.5	6.3	6.7	6.2	5.5	5.7	5.6	5.6	5.6	5.8
African American	1.5	1.2	8.0	0.9	1.0	8.0	0.9	0.9	0.9	1.0	1.0	0.9	1.1	1.2	1.2	1.6
Hispanic	6.1	5.2	5.8	5.4	5.5	7.3	7.6	6.7	7.5	7.6	6.1	5.5	4.9	5.5	6.2	6.5

TABLE 42 (cont.)

COCAINE: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

					Percer	ntage who	used in	last 12 r	nonths					
Approximate weighted N =	<u>2007</u>	2008 14,000	2009 13,700	2010 14,400	2011 14,100	2012 13,700	2013 12,600	2014 12,400	2015 12,900	2016 11.800	2017 12,600	2018 13,300	2019 12.900	2018-2019 <u>change</u>
Total	5.2	4.4	3.4	2.9	2.9	2.7	2.6	2.6	2.5	2.3	2.7	2.3	2.2	-0.1
Gender:	5.2	4.4	3.4	2.9	2.9	2.1	2.0	2.0	2.5	2.3	2.1	2.3	2.2	-0.1
Male	5.9	5.2	4.1	4.0	3.6	3.3	3.4	3.5	3.3	3.0	3.7	2.8	2.6	-0.2
Female	4.4	3.5	2.7	1.9	2.1	2.0	1.7	1.6	1.7	1.5	1.9	1.4	1.7	+0.3
College Plans:	4.4	3.5	2.1	1.9	2.1	2.0	1.7	1.0	1.7	1.5	1.9	1.4	1.7	+0.3
None or under 4 years	8.8	7.4	5.4	5.2	5.4	4.2	5.1	3.9	4.4	3.2	4.5	4.0	4.1	+0.1
Complete 4 years	4.4	3.6	2.8	2.4	2.3	2.3	1.9	2.2	2.1	1.9	2.2	1.8	1.6	-0.2
Region:	4.4	3.0	2.0	2.4	2.3	2.3	1.9	2.2	2.1	1.9	2.2	1.0	1.0	-0.2
Northeast	6.0	4.5	2.8	3.3	2.8	2.1	2.7	2.5	2.3	1.6	2.6	2.3	1.3	-1.0
Midwest	5.0	3.2	3.6	2.4	2.9	2.2	1.9	2.3	1.8	1.9	2.0	2.0	1.5	-0.5
South	5.2	4.8	3.2	2.5	2.6	2.5	2.2	2.7	2.0	1.7	2.5	1.7	2.1	+0.4
West	4.8	4.9	3.9	4.0	3.3	4.1	4.0	2.7	4.4	4.0	3.9	3.5	4.4	+0.8
Population Density:	4.0	4.5	0.0	4.0	0.0	4.1	4.0	2.7	7.7	4.0	0.0	0.0	7.7	. 0.0
Large MSA	5.0	4.4	3.4	3.3	2.9	2.9	2.6	2.3	3.0	2.4	3.0	2.3	2.0	-0.4
Other MSA	5.4	4.3	3.3	3.1	2.9	2.9	3.0	3.1	2.3	2.4	2.9	2.2	2.2	0.0
Non-MSA	5.3	4.5	3.6	1.9	2.7	2.1	1.9	1.7	2.4	1.7	2.0	2.5	2.7	+0.2
Parental Education: ^a	0.0		0.0					•••		•••	2.0	2.0		0.2
1.0-2.0 (Low)	6.2	4.7	4.1	3.2	4.2	3.0	4.2	3.0	4.0	2.7	3.2	3.3	2.3	-1.0
2.5–3.0	5.9	4.0	3.6	3.2	2.6	3.1	2.9	3.1	2.6	2.1	3.1	2.8	2.2	-0.6
3.5-4.0	5.5	4.9	3.4	3.0	3.0	2.6	3.0	2.4	2.3	2.0	2.8	1.7	2.1	+0.4
4.5–5.0	4.9	4.0	3.2	2.5	2.3	2.6	1.6	2.2	2.2	2.2	2.0	2.0	2.3	+0.3
5.5-6.0 (High)	4.0	4.1	2.5	2.4	3.0	2.4	2.1	2.6	2.2	2.4	2.7	1.9	1.6	-0.2
Race/Ethnicity (2-year average): b														
White	6.1	5.6	4.4	3.4	3.1	3.1	2.6	2.3	2.3	2.2	2.6	2.7	2.2	-0.5 s
African American	1.3	0.8	0.7	0.9	1.1	0.9	0.9	1.6	1.5	0.9	0.8	0.8	0.9	+0.1
Hispanic	6.0	4.7	4.0	3.5	3.3	3.4	3.8	3.6	3.4	3.6	3.2	2.9	2.7	-0.2

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 43

CRACK: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 8</u>

						Percer	ntage wh	o used ir	n last 12	months					
Approximate weighted N =	<u>1991</u> 17,500	<u>1992</u> 18,600	1993 18,300	<u>1994</u> 17,300	<u>1995</u> 17,500	<u>1996</u> 17,800	<u>1997</u> 18,600	<u>1998</u> 18,100	1999 16,700	2000 16,700	2001 16,200	2002 15,100	2003 16,500	2004 17,000	2005 16,800
Total	0.7	0.9	1.0	1.3	1.6	1.8	1.7	2.1	1.8	1.8	1.7	1.6	1.6	1.3	1.4
Gender:															
Male	0.8	0.9	1.1	1.3	1.5	1.7	1.8	2.1	1.8	1.7	1.6	1.6	1.3	1.1	1.3
Female	0.5	0.9	0.9	1.2	1.6	1.9	1.5	2.1	1.8	1.8	1.8	1.6	1.7	1.5	1.5
College Plans:															
None or under 4 years	2.0	2.9	3.4	4.6	4.2	4.9	4.7	7.5	5.3	5.2	4.4	5.7	5.8	4.9	3.3
Complete 4 years	0.4	0.6	0.6	8.0	1.3	1.3	1.3	1.5	1.4	1.4	1.4	1.2	1.1	1.0	1.2
Region:															
Northeast	0.5	0.4	0.4	1.4	1.4	1.7	1.6	1.2	1.5	1.2	1.2	1.2	1.3	1.2	0.9
Midwest	0.6	1.0	8.0	0.9	1.4	1.9	1.6	1.9	1.9	1.9	1.7	1.5	1.3	1.2	1.4
South	0.7	1.0	1.2	1.6	1.4	1.7	1.4	2.5	1.9	1.4	2.0	1.7	1.8	1.3	1.5
West	8.0	1.3	1.4	1.3	2.3	2.1	2.3	2.6	1.8	2.9	1.7	2.0	1.8	1.8	1.6
Population Density:															
Large MSA	0.5	8.0	0.7	1.3	1.5	1.8	1.5	1.6	1.2	1.6	1.4	1.5	1.2	1.5	1.5
Other MSA	0.7	1.1	1.2	1.5	1.7	2.0	1.8	2.2	2.0	1.8	1.8	1.6	1.7	1.3	1.3
Non-MSA	8.0	8.0	0.9	1.0	1.4	1.7	1.7	2.6	2.1	2.0	1.8	1.8	1.7	1.2	1.4
Parental Education: a															
1.0–2.0 (Low)	1.7	2.2	1.8	2.8	3.0	2.7	3.0	5.0	3.6	3.7	3.2	3.1	3.3	2.2	3.1
2.5–3.0	0.7	8.0	1.0	1.4	1.2	2.1	2.0	2.2	2.0	2.1	1.8	2.1	1.7	1.7	1.8
3.5–4.0	0.4	0.7	1.2	0.9	1.7	2.0	1.4	2.1	2.0	1.8	1.3	1.4	1.6	1.3	1.6
4.5–5.0	0.4	0.6	0.5	1.1	1.3	1.5	1.5	1.6	1.0	1.0	1.5	1.2	1.0	1.1	0.9
5.5–6.0 (High)	8.0	1.0	0.6	1.4	1.6	1.5	1.5	1.6	1.9	1.8	1.3	1.3	1.3	1.0	0.6
Race/Ethnicity (2-year average): b															
White	_	0.7	8.0	1.0	1.4	1.7	1.7	1.7	1.8	1.7	1.7	1.5	1.5	1.3	1.2
African American	_	0.4	0.4	0.5	0.5	0.4	0.4	0.5	0.5	0.4	0.5	0.6	0.7	8.0	8.0
Hispanic	_	1.9	2.0	2.1	2.7	3.0	2.8	3.6	3.9	2.9	2.6	2.7	2.8	2.6	2.5

TABLE 43 (cont.)

CRACK: Trends in Annual Prevalence of Use by Subgroups in Grade 8

2018-2019

Percentage who used in last 12 months

	2006	2007	2008	2009	<u>2010</u>	2011	2012	2013	2014	<u>2015</u>	<u>2016</u>	2017	2018	2019	<u>change</u>
Approximate weighted N =	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	14,400	16,900	15,300	14,000	13,600	
Total	1.3	1.3	1.1	1.1	1.0	0.9	0.6	0.6	0.7	0.5	0.5	0.5	0.4	0.4	0.0
Gender:															
Male	1.2	1.2	1.0	0.9	0.9	8.0	0.6	0.5	0.6	0.5	0.5	0.5	0.4	0.5	+0.1
Female	1.3	1.5	1.2	1.2	1.1	1.0	0.7	0.7	8.0	0.6	0.5	0.6	0.4	0.3	-0.1
College Plans:															
None or under 4 years	4.4	4.1	4.3	4.8	3.2	3.5	2.8	2.2	2.2	1.6	1.6	1.9	1.3	8.0	-0.6
Complete 4 years	1.0	1.1	8.0	8.0	0.8	0.7	0.5	0.5	0.6	0.4	0.4	0.4	0.3	0.4	+0.1
Region:															
Northeast	0.9	8.0	8.0	1.0	0.8	0.5	8.0	0.6	0.3	0.4	0.2	0.4	0.2	0.3	+0.1
Midwest	0.7	1.1	1.2	1.2	1.1	0.9	0.4	0.6	0.6	0.3	0.5	0.5	0.3	0.3	0.0
South	1.8	1.5	1.2	0.7	0.9	0.9	0.7	0.7	0.9	0.6	0.7	0.4	0.4	0.5	+0.1
West	1.3	1.8	1.2	1.7	1.2	1.3	0.6	0.6	0.6	0.7	0.5	0.9	8.0	0.5	-0.3
Population Density:															
Large MSA	1.3	1.1	1.4	8.0	1.0	1.0	8.0	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.0

0.9

0.9

2.0

1.4

0.9

0.6

0.5

0.7

0.5

2.1

0.6

0.4

1.6

8.0

0.7

0.2

0.3

0.6

0.5

1.7

1.1

8.0

1.8

1.1

0.9

8.0

0.9

8.0

0.6

2.1

0.6

0.6

1.2

0.7

0.5

0.5

0.6

0.4

0.7

1.1

0.7

0.7

1.2

0.9

0.6

0.5

0.5

0.4

0.6

0.9

0.6

0.3

0.9

0.7

0.4

0.4

0.3

0.4

0.6

8.0

0.5

0.6

1.4

0.6

0.6

0.3

0.2

0.3

0.6

8.0

0.6

0.3

1.0

0.7

0.5

0.4

0.3

0.3

0.5

0.8

0.4

0.4

1.1

0.4

0.5

0.2

0.2

0.3

0.5

8.0

0.4

0.4

0.6

0.3

0.4

0.4

0.6

0.3

0.4

8.0

0.0

0.0

-0.5

-0.1

-0.1

+0.2

+0.3

0.0

-0.1

0.0

Source. The Monitoring the Future study, the University of Michigan.

1.1

1.6

3.0

1.5

1.2

0.9

1.0

1.1

0.6

2.6

1.6

1.2

2.9

1.4

1.3

0.9

1.0

1.0

0.6

2.7

1.0

1.0

2.8

1.6

8.0

0.7

0.9

1.0

0.5

2.5

1.3

0.9

3.3

0.9

1.0

0.6

1.1

8.0

0.7

2.2

Other MSA

Non-MSA

2.5-3.0

3.5-4.0

4.5-5.0

Hispanic

5.5-6.0 (High)

African American

Race/Ethnicity (2-year average): b

Parental Education: a
1.0–2.0 (Low)

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 44

CRACK: Trends in Annual Prevalence of Use by Subgroups in Grade 10

						Percer	ntage wh	o used ii	n last 12	months					
Approximate weighted N =	<u>1991</u> 14,800	<u>1992</u> 14,800	1993 15,300	<u>1994</u> 15,800	<u>1995</u> 17,000	1996 15.600	<u>1997</u> 15,500	<u>1998</u> 15,000	1999 13,600	2000 14,300	2001 14,000	2002 14.300	2003 15,800	2004 16,400	2005 16,200
Total	0.9	0.9	1.1	1.4	1.8	2.1	2.2	2.5	2.4	2.2	1.8	2.3	1.6	1.7	1.7
Gender:															
Male	0.9	0.9	1.3	1.6	1.9	2.1	2.3	2.7	2.5	2.3	1.9	2.5	1.6	1.8	1.6
Female	0.8	0.9	0.7	1.0	1.6	2.1	2.2	2.2	2.3	2.1	1.7	2.2	1.6	1.5	1.7
College Plans:															
None or under 4 years	2.4	2.1	2.7	3.4	3.7	5.0	4.9	6.0	5.5	5.2	4.7	5.6	4.5	4.6	4.8
Complete 4 years	0.6	0.6	0.7	0.9	1.5	1.5	1.8	1.9	1.8	1.7	1.4	1.8	1.1	1.2	1.3
Region:															
Northeast	0.5	0.4	1.1	1.4	1.1	1.4	1.5	2.6	2.5	1.7	1.0	1.4	1.3	1.4	1.8
Midwest	0.9	0.9	8.0	1.0	1.5	2.2	2.1	2.1	2.1	1.8	1.8	2.2	1.4	1.5	1.4
South	1.0	8.0	0.9	1.3	1.9	2.0	2.0	1.9	2.0	1.9	1.7	1.7	1.7	1.4	1.3
West	1.1	1.4	1.7	1.9	2.8	2.8	3.8	3.9	3.2	3.8	3.3	4.4	2.0	2.6	2.5
Population Density:															
Large MSA	0.9	8.0	0.7	0.9	1.9	1.7	2.3	2.2	2.2	2.4	1.9	2.2	1.2	1.5	1.8
Other MSA	0.9	0.9	1.1	1.5	1.6	2.4	1.7	2.4	2.3	2.0	1.8	2.5	1.7	1.8	1.5
Non-MSA	0.9	0.9	1.2	1.6	2.3	1.9	3.3	3.1	2.8	2.5	1.8	2.2	2.1	1.7	1.9
Parental Education: a															
1.0-2.0 (Low)	1.3	1.7	1.8	1.9	3.0	3.9	3.4	4.5	3.4	4.8	3.0	3.9	2.9	3.5	2.6
2.5–3.0	1.0	8.0	1.0	1.1	2.4	2.5	2.4	3.1	2.9	2.9	2.5	2.6	1.8	1.9	2.5
3.5-4.0	0.9	1.0	1.4	1.5	1.7	1.9	2.6	2.0	2.5	2.2	1.4	2.2	1.6	1.6	1.4
4.5–5.0	0.7	0.6	0.7	1.0	1.3	1.4	1.8	2.0	1.9	1.1	1.6	1.4	1.3	1.4	1.3
5.5-6.0 (High)	0.7	0.9	0.5	1.1	1.1	1.8	1.2	1.8	1.8	1.4	1.2	2.2	8.0	0.8	1.0
Race/Ethnicity (2-year average): ^b															
White	_	0.9	0.9	1.1	1.5	1.9	2.2	2.3	2.4	2.2	1.8	2.0	2.0	1.6	1.5
African American	_	0.3	0.4	0.8	0.6	0.4	0.4	0.5	0.5	0.5	0.7	8.0	0.6	0.4	0.6
Hispanic	_	1.5	1.7	1.9	2.5	3.7	3.7	4.1	4.4	4.0	3.7	3.6	3.5	3.1	3.6

TABLE 44 (cont.)

CRACK: Trends in Annual Prevalence of Use by Subgroups in Grade 10

Percentage who used in last 12 months 2018-2019 2006 2007 2010 2012 2016 2017 2018 2019 2011 2013 2014 2015 change Approximate weighted N = 16,20016,100 15,100 15,900 15,200 14,900 15,000 12,900 13,000 15,600 14,700 13,500 14,300 14,000 Total 1.3 1.3 1.0 0.9 8.0 0.8 0.5 0.7 0.4 0.6 0.6 0.6 0.0 1.3 1.2 Gender: Male 1.3 1.5 1.3 1.1 1.0 1.0 0.9 0.9 0.6 0.7 0.6 0.6 0.5 0.6 +0.1 Female 1.2 1.1 1.2 1.2 0.9 8.0 0.6 0.7 0.5 0.6 0.3 0.5 0.6 0.5 -0.1 College Plans: None or under 4 years 3.7 3.8 3.9 4.1 3.4 2.5 3.5 1.3 1.8 2.2 1.7 2.4 1.3 0.9 -0.4 Complete 4 years 1.0 1.0 0.9 0.9 0.7 0.7 0.5 0.8 0.4 0.5 0.3 0.4 0.5 0.4 0.0 Region: Northeast 0.9 1.1 1.0 1.2 1.0 1.1 0.5 0.6 0.5 0.7 0.3 0.6 0.3 0.3 0.0 Midwest 1.3 1.1 1.1 1.4 0.9 0.6 0.7 0.7 0.6 0.5 0.3 0.4 0.4 0.5 +0.1 South 1.2 1.1 8.0 0.9 8.0 0.6 0.8 0.5 0.7 0.6 0.5 0.9 8.0 -0.1 West 1.7 1.6 1.8 1.5 1.4 1.3 1.3 1.2 0.5 1.1 0.6 0.8 0.4 0.5 0.0 Population Density: Large MSA 1.3 1.3 1.1 8.0 1.0 0.9 1.0 0.7 0.5 0.7 0.5 0.6 0.6 0.3 -0.3 Other MSA 1.0 1.0 0.5 0.7 0.4 0.6 0.7 +0.1 1.1 1.3 1.4 1.5 1.0 0.4 0.6 Non-MSA 1.6 1.3 1.2 1.0 1.2 8.0 0.9 0.6 0.8 1.0 0.6 0.5 0.4 0.7 +0.3 Parental Education: a 1.0-2.0 (Low) 3.9 2.5 2.5 1.6 2.1 0.5 1.0 0.8 -0.2 3.8 3.3 1.9 1.5 0.4 1.0 2.5-3.0 1.6 1.6 1.3 1.6 0.9 0.9 1.0 1.0 0.6 8.0 0.7 0.9 0.5 0.9 +0.3 3.5-4.0 1.0 0.9 1.1 1.3 8.0 0.9 0.5 0.6 0.8 0.6 0.3 0.5 0.4 0.6 +0.2 4.5-5.0 0.8 0.9 1.0 0.7 8.0 0.6 0.6 0.7 0.3 0.4 0.3 0.3 0.4 0.2 -0.2 5.5-6.0 (High) 8.0 1.0 0.7 0.7 0.6 0.9 0.4 8.0 0.4 0.6 0.4 0.3 8.0 0.5 -0.3 Race/Ethnicity (2-year average): b 1.2 1.0 0.9 0.7 0.6 0.5 0.6 0.5 0.4 0.4 0.5 0.5 0.0 1.1 African American 0.6 0.5 0.5 0.5 0.6 0.7 0.6 0.8 0.7 0.8 0.7 0.4 0.3 0.2 -0.1

Source. The Monitoring the Future study, the University of Michigan.

3.1

Hispanic

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

2.0

1.9

2.0

1.8

1.0

0.8

0.9

0.6

1.0

1.0

0.0

2.5

2.3

2.4

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 45
CRACK: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

						Pe	ercentage	who us	ed in last	: 12 mon	ths					
Approximate weighted N =	<u>1975</u>	<u>1976</u> —	<u>1977</u>	<u>1978</u> —	<u>1979</u> —	<u>1980</u>	<u>1981</u> —	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u> 15,200	<u>1987</u> 16,300	1988 16,300	<u>1989</u> 16,700	1990 15,200
Total	_		_	_	_	_		_	_	_	_	4.1	3.9	3.1	3.1	1.9
Gender:																
Male	_	_	_	_	_	_	_	_	_	_	_	4.2	4.6	4.0	4.3	2.3
Female	_	_	_	_	_	_	_	_	_	_	_	3.6	3.0	2.0	1.8	1.4
College Plans:																
None or under 4 years	_	_	_	_	_	_	_	_	_	_	_	5.2	5.1	4.1	3.8	3.5
Complete 4 years	_	_	_	_	_	_	_	_	_	_	_	2.8	2.7	2.3	2.7	1.2
Region:																
Northeast	_	_	_	_	_	_	_	_	_	_	_	6.0	4.0	2.3	3.3	2.0
Midwest	_	_	_	_	_	_	_	_	_	_	_	3.1	3.5	2.4	2.2	1.6
South	_	_	_	_	_	_	_	_	_	_	_	1.6	2.8	2.6	3.3	1.8
West	_	_	_	_	_	_	_	_	_	_	_	7.5	6.1	5.6	3.8	2.7
Population Density:																
Large MSA	_	_	_	_	_	_	_	_	_	_	_	5.9	4.7	3.9	3.4	1.6
Other MSA	_	_	_	_	_	_	_	_	_	_	_	3.5	3.5	3.2	3.3	2.0
Non-MSA	_	_	_	_	_	_	_	_	_	_	_	3.5	3.7	2.0	2.2	2.0
Parental Education: ^a																
1.0–2.0 (Low)	_	_	_	_	_	_	_	_	_	_	_	1.2	3.6	3.3	3.1	2.2
2.5–3.0	_	_	_	_	_	_	_	_	_	_	_	5.3	4.2	2.6	3.1	2.2
3.5–4.0	_	_	_	_	_	_	_	_	_	_	_	4.0	4.0	3.4	2.8	1.8
4.5–5.0	_	_	_	_	_	_	_	_	_	_	_	2.9	3.4	3.1	2.6	1.1
5.5-6.0 (High)	_	_	_	_	_	_	_	_	_	_	_	3.7	2.4	2.1	3.7	1.8
Race/Ethnicity (2-year average): b																
White	_	_	_	_	_	_	_	_	_	_	_	_	3.8	3.4	3.1	2.1
African American	_	_	_	_	_	_	_	_	_	_	_	_	1.9	2.5	2.0	1.3
Hispanic		_	_				_	_				_	5.5	3.7	3.2	42

TABLE 45 (cont.)

CRACK: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

						Percer	ntage who	o used in	last 12 r	nonths					
Approximate weighted N =	<u>1991</u> 15,000	<u>1992</u> 15,800	1993 16,300	<u>1994</u> 15,400	<u>1995</u> 15,400	1996 14,300	<u>1997</u> 15,400	<u>1998</u> 15,200	<u>1999</u> 13,600	2000 12,800	2001 12,800	2002 12,900	2003 14,600	2004 14,600	2005 14,700
Total	1.5	1.5	1.5	1.9	2.1	2.1	2.4	2.5	2.7	2.2	2.1	2.3	2.2	2.3	1.9
Gender:															
Male	1.8	1.7	1.9	2.4	2.5	2.6	3.0	3.1	2.9	2.5	2.4	2.6	2.3	2.5	2.2
Female	1.0	1.0	1.1	1.3	1.5	1.6	1.8	2.0	2.2	1.7	1.8	1.8	1.9	1.9	1.6
College Plans:															
None or under 4 years	2.3	2.6	2.7	3.3	3.0	4.0	4.3	4.6	5.0	3.5	4.4	4.5	2.7	3.9	3.4
Complete 4 years	1.1	1.0	1.2	1.4	1.7	1.6	1.7	1.9	1.9	1.7	1.5	1.7	1.8	1.7	1.6
Region:															
Northeast	1.3	1.3	1.2	1.5	1.6	2.1	2.6	3.0	2.4	1.8	2.0	2.0	2.0	1.7	1.5
Midwest	1.5	1.4	1.3	2.2	2.0	2.3	2.2	2.6	2.8	2.0	2.6	2.6	1.9	2.1	2.3
South	1.2	1.2	1.5	1.6	1.7	1.7	1.8	2.0	2.3	1.8	1.2	1.9	2.0	2.2	1.8
West	1.8	2.1	2.1	2.3	3.5	2.6	3.4	3.2	3.4	3.2	3.0	2.8	3.0	3.3	2.3
Population Density:															
Large MSA	1.2	1.3	1.3	1.5	2.0	2.1	2.2	2.5	2.0	1.8	1.5	1.6	1.8	2.0	1.7
Other MSA	1.7	1.6	1.8	2.1	2.1	1.9	2.3	2.4	2.5	2.1	2.2	2.4	2.3	2.2	1.8
Non-MSA	1.2	1.3	1.4	1.9	2.1	2.5	2.8	2.9	3.6	2.8	2.8	2.8	2.4	2.8	2.5
Parental Education: ^a															
1.0–2.0 (Low)	1.6	1.9	2.6	2.7	3.4	3.4	3.6	3.9	3.2	2.8	3.8	4.8	2.5	3.3	2.3
2.5–3.0	1.5	1.9	1.6	2.2	2.3	2.4	2.5	2.8	2.8	2.1	2.6	2.2	1.6	2.9	2.4
3.5–4.0	1.7	1.3	1.5	1.8	1.7	2.2	2.0	2.4	3.0	2.2	1.8	2.3	2.3	1.9	2.0
4.5–5.0	0.9	1.0	1.4	1.1	1.9	1.6	2.5	2.1	2.2	1.8	1.9	1.7	2.2	1.8	1.5
5.5–6.0 (High)	1.1	8.0	1.0	1.8	1.5	1.6	1.8	2.1	1.6	2.2	1.2	1.5	1.9	1.7	1.5
Race/Ethnicity (2-year average): ^b															
White	1.6	1.3	1.3	1.6	1.9	2.0	2.2	2.6	2.8	2.5	2.2	2.3	2.2	2.2	2.1
African American	1.0	0.6	0.6	0.9	1.0	0.7	0.5	0.3	0.4	0.5	0.5	0.7	1.2	1.3	0.9
Hispanic	3.4	2.7	2.5	2.4	3.1	4.1	4.2	3.9	3.5	3.4	3.1	3.1	2.9	3.0	3.1

TABLE 45 (cont.)

CRACK: Trends in Annual Prevalence of Use by Subgroups in Grade 12

					Pe	ercentage	who us	ed in last	12 mont	ths					
Approximate weighted N =	2006 14 200	2007 14.500	2008 14.000	2009 13.700	2010 14.400	2011 14.100	2012 13.700	2013 12.600	2014 12.400	2015 12.900	2016 11.800	2017 12.600	2018 13.300	2019 12.900	2018-2019 <u>change</u>
Total	2.1	1.9	1.6	1.3	1.4	1.0	1.2	1.1	1.1	1.1	0.8	1.0	0.9	1.0	+0.1
Gender:	2.1	1.0	1.0	1.0		1.0	1.2				0.0	1.0	0.0	1.0	. 0.1
Male	2.1	2.1	1.7	1.6	1.9	1.2	1.4	1.1	1.4	1.3	1.0	1.2	1.4	1.4	0.0
Female	1.9	1.7	1.3	1.0	0.9	0.8	0.9	0.9	0.6	0.6	0.5	0.8	0.4	0.7	+0.3 s
College Plans:															
None or under 4 years	3.5	3.7	3.3	2.8	2.5	2.4	1.9	2.1	1.8	2.2	1.2	2.1	1.9	2.2	+0.3
Complete 4 years	1.7	1.5	1.1	0.9	1.2	0.7	1.0	0.7	0.9	0.7	0.7	0.7	0.6	0.7	+0.1
Region:															
Northeast	2.5	2.1	1.8	0.6	1.4	1.2	0.8	1.1	0.8	0.7	0.7	0.9	0.7	0.5	-0.2
Midwest	1.5	1.7	1.3	1.7	1.1	1.2	1.0	1.0	0.9	1.3	0.6	0.7	1.2	0.9	-0.3
South	2.1	2.2	1.6	1.2	1.4	8.0	1.1	8.0	1.0	0.9	0.5	1.1	0.9	1.1	+0.3
West	2.2	1.6	1.7	1.6	1.8	1.2	1.9	1.6	1.6	1.4	1.6	1.2	0.9	1.6	+0.7
Population Density:															
Large MSA	2.6	1.9	1.3	1.1	1.4	1.0	1.2	0.9	0.7	1.0	1.1	0.7	0.9	1.0	+0.1
Other MSA	1.7	1.9	1.6	1.3	1.6	1.1	1.3	1.2	1.5	1.0	0.7	1.2	1.1	1.0	0.0
Non-MSA	2.0	2.0	1.6	1.6	1.0	0.9	1.0	0.9	0.6	1.2	0.6	1.0	0.7	1.2	+0.5
Parental Education: a															
1.0-2.0 (Low)	3.6	3.6	2.1	2.2	2.5	2.3	1.9	1.5	1.8	1.8	1.7	1.6	1.7	1.6	-0.1
2.5–3.0	2.4	2.2	1.4	0.9	1.7	8.0	1.3	1.0	1.2	1.2	1.0	1.1	1.0	1.1	+0.1
3.5–4.0	2.0	1.9	1.6	1.4	1.4	1.2	1.0	1.2	0.7	1.0	0.3	1.0	8.0	1.0	+0.2
4.5–5.0	1.8	1.7	1.4	1.4	1.0	8.0	1.1	8.0	8.0	0.7	8.0	0.5	0.7	0.6	-0.1
5.5–6.0 (High)	1.2	1.0	1.3	0.6	8.0	8.0	1.1	8.0	1.4	8.0	0.6	0.6	0.5	1.0	+0.5
Race/Ethnicity (2-year average): b															
White	1.9	2.0	1.8	1.4	1.2	1.1	1.1	1.0	8.0	8.0	0.7	8.0	0.9	8.0	-0.1
African American	1.0	1.0	0.9	0.9	0.7	0.7	0.7	0.9	1.3	1.3	0.9	8.0	0.7	0.9	+0.1
Hispanic	3.1	2.7	2.0	1.6	1.8	1.9	1.7	1.7	1.7	1.5	1.3	1.1	1.2	1.3	+0.2

Notes. Level of significance of difference between the two most recent classes: s = .01, ss = .01, ss = .01. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of five forms in 1986; N is one fifth of N indicated in Table S3. Data based on two forms in 1987–1989; N is two fifths of N indicated in 1987–1988 and two sixths of N indicated in 1989 in Table S3. Data based on six forms beginnning in 1990.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 46
OTHER COCAINE: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 8</u>

						Percer	ntage wh	o used ir	n last 12	months					
•	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800
Total	1.0	1.2	1.3	1.7	2.1	2.5	2.2	2.4	2.3	1.9	1.9	1.8	1.6	1.6	1.7
Gender:															
Male	1.1	1.2	1.5	1.7	2.0	2.2	2.5	2.3	2.3	1.9	1.8	1.7	1.5	1.3	1.5
Female	8.0	1.2	1.2	1.8	2.2	2.6	1.9	2.4	2.2	1.8	2.0	1.9	1.6	1.8	1.8
College Plans:															
None or under 4 years	2.7	4.2	4.1	5.6	5.9	6.6	6.0	7.7	7.1	6.1	5.3	6.4	5.0	5.4	4.5
Complete 4 years	0.6	0.7	0.9	1.2	1.6	1.8	1.7	1.8	1.7	1.4	1.5	1.3	1.2	1.1	1.4
Region:															
Northeast	1.2	0.7	0.9	1.9	1.8	2.1	1.6	1.4	1.7	1.1	1.6	1.2	1.0	1.6	1.5
Midwest	0.6	1.0	0.7	0.9	2.0	2.4	2.0	1.9	2.2	2.3	1.6	1.8	1.7	1.1	1.3
South	1.0	1.5	1.6	2.0	2.0	2.3	2.1	3.1	2.6	1.7	2.4	2.1	1.9	1.7	1.9
West	1.3	1.5	2.1	2.0	2.7	3.1	2.9	2.5	2.2	2.5	1.7	1.9	1.6	1.8	1.8
Population Density:															
Large MSA	0.9	1.1	1.0	1.6	2.0	2.5	1.7	1.8	1.8	1.6	1.6	1.4	1.2	1.7	1.6
Other MSA	0.9	1.4	1.8	2.1	2.1	2.6	2.2	2.5	2.3	1.8	2.2	1.8	1.6	1.6	1.7
Non-MSA	1.1	0.9	0.7	1.2	2.2	2.2	2.5	2.8	2.8	2.5	1.6	2.3	2.2	1.3	1.7
Parental Education: a															
1.0-2.0 (Low)	2.1	2.7	2.2	3.1	4.3	3.2	3.5	4.7	5.1	4.2	3.7	2.8	2.9	3.1	2.9
2.5–3.0	1.2	1.1	1.5	2.0	2.0	2.6	2.4	2.5	2.8	2.1	1.9	2.3	1.8	1.9	2.2
3.5–4.0	0.6	1.0	1.5	1.9	2.2	2.8	2.1	2.4	2.3	1.9	1.8	1.9	1.6	1.5	2.0
4.5–5.0	0.6	0.8	0.8	1.1	1.6	2.4	1.9	1.8	1.3	1.4	1.6	1.6	1.1	1.3	1.2
5.5-6.0 (High)	1.0	1.2	8.0	1.2	2.0	1.9	1.7	1.8	1.8	1.3	1.1	8.0	1.5	0.9	0.9
Race/Ethnicity (2-year average): b															
White	_	0.9	1.0	1.2	1.8	2.4	2.5	2.2	2.1	1.9	1.8	1.8	1.8	1.5	1.4
African American	_	0.6	0.5	0.6	0.5	0.4	0.3	0.5	0.7	0.6	0.5	0.5	0.6	8.0	0.9
Hispanic	_	2.6	3.3	4.0	4.3	4.1	3.3	4.0	4.9	3.9	3.2	3.1	2.7	2.8	2.9

TABLE 46 (cont.)

OTHER COCAINE: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 8</u>

Percentage	who	used in	last	12 months
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															2018-2019
	<u>2006</u>	2007	<u>2008</u>	<u>2009</u>	<u>2010</u>	2011	2012	2013	<u>2014</u>	2015	2016	2017	2018	<u>2019</u>	<u>change</u>
Approximate weighted N =		16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	14,400	16,900	15,300	14,000	13,600	0.4
Total	1.6	1.5	1.4	1.3	1.3	1.1	1.0	8.0	8.0	8.0	0.6	0.6	0.7	0.6	-0.1
Gender:															
Male	1.4	1.3	1.4	1.3	1.3	1.1	0.9	0.8	0.8	0.9	0.6	0.5	0.7	0.4	-0.3
Female	1.7	1.6	1.4	1.3	1.4	0.9	1.0	8.0	0.7	0.6	0.6	0.7	0.5	0.7	+0.3
College Plans:															
None or under 4 years	5.7	5.7	5.5	5.6	4.7	4.6	3.8	3.0	2.6	2.0	2.0	2.1	2.1	1.0	-1.1 s
Complete 4 years	1.2	1.1	1.1	1.0	1.1	8.0	0.7	0.6	0.6	0.7	0.4	0.4	0.4	0.5	+0.1
Region:															
Northeast	1.0	1.0	0.9	1.2	0.9	0.7	8.0	0.5	0.4	0.4	0.5	0.5	0.4	0.1	-0.3 s
Midwest	1.1	1.3	1.5	1.5	1.6	1.0	0.5	0.6	0.6	0.6	0.3	0.5	0.4	0.3	-0.1
South	2.3	1.8	1.8	1.0	1.3	1.1	1.2	8.0	0.9	0.9	8.0	0.5	0.5	0.7	+0.2
West	1.5	1.5	1.3	1.8	1.4	1.6	1.2	1.1	1.1	0.9	8.0	1.0	1.3	0.9	-0.4
Population Density:															
Large MSA	1.5	1.5	1.5	0.9	1.1	1.2	1.1	8.0	1.1	8.0	0.5	0.6	0.7	0.5	-0.2
Other MSA	1.6	1.5	1.4	1.6	1.5	1.2	1.0	0.9	0.7	0.9	0.6	0.7	0.7	0.7	0.0
Non-MSA	1.7	1.5	1.4	1.4	1.3	8.0	8.0	0.7	0.7	0.3	0.8	0.4	0.6	0.4	-0.2
Parental Education: a															
1.0-2.0 (Low)	3.6	3.1	3.0	3.4	2.8	2.1	2.1	1.8	1.4	1.0	1.4	1.2	1.2	1.4	+0.2
2.5–3.0	1.7	1.6	1.8	1.4	1.9	1.6	1.2	1.0	0.7	8.0	0.5	0.9	0.7	8.0	+0.1
3.5-4.0	1.7	1.4	1.7	1.2	1.3	1.3	0.9	0.8	8.0	8.0	0.6	0.7	0.6	0.5	0.0
4.5–5.0	1.2	1.0	0.8	0.6	1.0	0.7	0.4	0.5	0.8	0.4	0.4	0.3	0.6	0.3	-0.3
5.5-6.0 (High)	0.9	0.9	1.1	1.3	0.9	0.6	0.6	0.7	0.4	0.8	0.5	0.4	0.4	0.4	+0.1
Race/Ethnicity (2-year average): b															
White	1.5	1.3	1.2	1.2	1.2	1.0	0.8	0.7	0.5	0.5	0.5	0.5	0.4	0.4	0.0
African American	0.7	0.6	0.6	0.8	0.7	0.4	0.4	0.6	0.6	0.5	0.4	0.3	0.4	0.4	0.0
Hispanic	2.8	3.1	2.8	2.2	2.2	2.4	2.2	1.5	1.1	1.0	0.9	8.0	0.9	1.0	+0.1

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 47

OTHER COCAINE: Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

						Percer	itage wh	o used ir	last 12	months					
	<u>1991</u>	1992	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	1999	2000	2001	2002	2003	2004	2005
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200
Total	2.1	1.7	1.8	2.4	3.0	3.5	4.1	4.0	4.4	3.8	3.0	3.4	2.8	3.3	3.0
Gender:															
Male	2.0	1.9	2.2	2.7	3.1	3.7	4.1	4.1	4.6	4.2	3.3	3.6	2.9	3.6	3.3
Female	2.1	1.5	1.4	2.1	2.9	3.3	4.0	3.8	4.1	3.4	2.6	3.3	2.7	3.0	2.7
College Plans:															
None or under 4 years	4.4	3.3	4.5	5.9	6.3	8.4	9.0	9.3	10.5	8.3	8.2	8.7	7.3	8.3	8.1
Complete 4 years	1.6	1.3	1.3	1.7	2.5	2.7	3.2	3.0	3.4	3.0	2.1	2.6	2.1	2.6	2.3
Region:															
Northeast	1.3	1.0	1.8	2.0	2.2	2.2	2.5	4.3	4.1	2.5	2.0	1.8	2.7	3.2	3.0
Midwest	1.6	1.3	1.3	1.8	2.5	3.4	3.4	3.1	3.9	4.0	3.0	3.2	2.3	3.0	3.0
South	1.9	1.6	1.7	2.2	2.9	3.5	4.8	3.7	4.7	3.9	3.2	3.3	3.1	3.2	2.6
West	3.4	3.1	3.2	4.3	4.8	5.2	5.3	5.2	4.6	4.6	3.9	5.5	3.2	4.1	3.6
Population Density:															
Large MSA	1.6	1.5	1.4	1.9	2.8	3.3	3.9	3.8	3.7	3.7	2.5	3.1	2.2	2.9	2.7
Other MSA	2.6	2.0	2.0	2.7	3.1	3.9	3.8	4.0	4.5	3.7	3.2	3.7	2.8	3.4	3.1
Non-MSA	1.4	1.4	1.9	2.5	3.1	3.2	4.9	4.2	4.8	4.0	3.2	3.3	4.1	3.6	3.3
Parental Education: a															
1.0-2.0 (Low)	3.1	2.7	2.7	3.1	5.0	6.1	5.5	6.7	7.6	6.3	4.8	7.1	6.4	5.7	4.5
2.5–3.0	2.2	1.6	2.0	2.6	3.6	3.6	4.3	4.5	5.1	4.4	4.5	3.9	3.5	3.7	4.0
3.5-4.0	2.2	2.0	2.2	2.7	3.3	3.8	4.6	4.0	4.2	4.0	2.5	3.2	2.9	3.7	3.0
4.5–5.0	1.6	1.3	1.4	1.8	2.2	3.0	3.3	3.0	3.5	3.0	2.2	2.0	1.8	2.8	2.4
5.5–6.0 (High)	1.8	1.3	0.9	1.6	1.7	2.8	2.9	2.5	3.5	2.7	1.4	2.7	1.2	1.6	2.1
Race/Ethnicity (2-year average): b															
White	_	1.9	1.8	1.9	2.6	3.2	3.7	4.1	4.3	4.1	3.4	3.3	3.4	3.4	3.3
African American	_	0.5	0.5	0.9	0.8	0.6	0.6	0.9	0.8	0.5	0.5	0.7	0.7	0.7	8.0
Hispanic	_	3.4	3.4	4.6	5.2	6.1	7.5	7.0	6.8	7.1	5.6	5.0	5.2	5.1	5.4

TABLE 47 (cont.)

OTHER COCAINE: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 10</u>

					Pe	ercentage	who us	ed in las	t 12 mon	iths					
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	<u>2019</u>	2018-2019 <u>change</u>
Approximate weighted N =	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	15,600	14,700	13,500	14,300	14,000	
Total	2.9	3.1	2.6	2.3	1.9	1.7	1.8	1.6	1.3	1.5	1.1	1.2	1.4	1.4	0.0
Gender:															
Male	3.0	3.2	2.7	2.5	2.3	2.1	2.1	2.2	1.7	1.5	1.4	1.5	1.7	1.4	-0.2
Female	2.8	2.9	2.4	2.1	1.3	1.2	1.5	1.0	0.9	1.4	0.9	0.9	1.2	1.3	+0.1
College Plans:															
None or under 4 years	8.3	7.5	7.8	7.2	6.8	5.1	6.2	3.9	4.5	3.1	3.6	2.9	3.6	2.2	-1.4
Complete 4 years	2.2	2.5	1.8	1.8	1.3	1.3	1.4	1.3	0.9	1.3	0.9	1.0	1.1	1.2	0.0
Region:															
Northeast	2.5	2.5	1.7	2.1	1.7	1.7	1.1	1.1	1.0	1.4	0.7	0.6	0.9	0.5	-0.5
Midwest	2.8	3.3	2.2	2.1	1.5	1.2	1.2	8.0	1.1	1.2	1.0	1.4	1.0	1.0	0.0
South	2.9	3.3	3.2	2.1	1.5	1.8	2.2	1.8	1.5	1.5	1.2	1.1	2.0	1.8	-0.3
West	3.5	3.0	2.7	3.1	3.0	2.1	2.5	2.4	1.6	2.0	1.5	1.5	1.3	1.8	+0.5
Population Density:															
Large MSA	2.6	3.1	2.4	2.2	1.9	1.8	2.0	1.5	1.0	1.4	1.1	1.7	1.2	0.9	-0.4
Other MSA	3.0	2.9	2.9	2.6	2.0	1.7	1.6	1.9	1.3	1.5	1.1	1.0	1.8	1.8	0.0
Non-MSA	3.4	3.3	2.0	1.9	1.7	1.5	2.0	0.9	1.9	1.8	1.3	8.0	0.9	1.3	+0.3
Parental Education: a															
1.0-2.0 (Low)	5.6	5.1	5.9	5.1	3.6	3.1	5.3	2.5	2.6	2.5	1.2	1.7	2.3	2.2	-0.1
2.5-3.0	3.7	3.3	3.1	2.7	2.3	1.9	2.2	2.3	1.3	1.9	1.8	1.5	1.8	1.8	0.0
3.5-4.0	2.8	3.2	2.4	2.5	1.7	1.7	1.5	1.4	1.5	1.7	0.9	1.0	1.6	1.6	0.0
4.5–5.0	1.8	2.4	1.9	1.4	1.6	1.3	1.3	1.1	8.0	1.0	1.0	0.9	0.9	8.0	-0.1
5.5-6.0 (High)	2.8	2.4	1.3	2.0	1.0	1.0	1.0	1.2	0.9	1.1	0.7	1.1	1.4	0.9	-0.5
Race/Ethnicity (2-year average): b															
White	3.2	3.2	2.8	2.3	1.9	1.6	1.5	1.4	1.3	1.3	1.3	1.2	1.2	1.2	0.0
African American	0.9	0.6	0.7	0.7	0.6	0.6	1.2	1.4	0.7	0.6	0.5	0.6	0.6	0.3	-0.2
Hispanic	5.0	4.5	4.6	4.5	4.0	3.7	3.4	3.4	2.6	1.9	1.5	1.2	2.1	2.5	+0.4

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 48
OTHER COCAINE: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

-						Pe	ercentage	who use	ed in last	12 mont	hs					
	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	1982	1983	1984	<u>1985</u>	<u>1986</u>	<u>1987</u>	1988	<u>1989</u>	1990
Approximate weighted N =	_	_	_	_	_	_	_	_	_	_	_	_	16,300	16,300	16,700	15,200
Total	_	_	_	_	_	_	_	_	_	_	_	_	9.8	7.4	5.2	4.6
Gender:																
Male	_	_	_	_	_	_	_	_	_	_	_	_	10.1	8.0	6.5	5.8
Female	_	_	_	_	_	_	_	_	_	_	_	_	9.1	6.2	4.0	3.2
College Plans:																
None or under 4 years													9.8	6.0	7.3	6.3
Complete 4 years	_	_	_	_	_	_	_	_	_	_	_	_	8.3	6.7	4.2	3.7
Region:																
Northeast	_	_	_	_	_	_	_	_	_	_	_	_	12.9	7.0	4.9	5.6
Midwest	_	_	_	_	_	_	_	_	_	_	_	_	8.2	5.6	4.8	3.7
South	_	_	_	_	_	_	_	_	_	_	_	_	5.8	5.8	4.6	4.1
West	_	_	_	_	_	_	_	_	_	_	_	_	15.3	13.4	7.5	6.1
Population Density:																
Large MSA	_	_	_	_	_	_	_	_	_	_	_	_	13.3	9.8	5.6	5.0
Other MSA	_	_	_	_	_	_	_	_	_	_	_	_	8.9	7.8	5.4	4.7
Non-MSA	_	_	_	_	_	_	_	_	_	_	_	_	8.0	4.5	4.4	4.1
Parental Education: ^a																
1.0–2.0 (Low)	_	_	_	_	_	_	_	_	_	_	_	_	5.3	4.9	3.3	3.4
2.5–3.0	_	_	_	_	_	_	_	_	_	_	_	_	10.5	6.5	4.6	5.0
3.5-4.0	_	_	_	_	_	_	_	_	_	_	_	_	10.5	7.2	5.1	4.7
4.5–5.0	_	_	_	_	_	_	_	_	_	_	_	_	9.0	7.7	6.1	4.1
5.5-6.0 (High)	_	_	_	_	_	_	_	_	_	_	_	_	9.7	9.0	6.5	5.4
Race/Ethnicity (2-year average): b																
White	_	_	_	_	_	_	_	_	_	_	_	_	_	9.3	7.0	5.3
African American	_	_	_	_	_	_	_	_	_	_	_	_	_	2.8	1.4	0.7
Hispanic	_		-	_	_			_	_		_			6.3	5.1	5.1

TABLE 48 (cont.)

OTHER COCAINE: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

Percentage who used in last 12 months

	<u>1991</u>	<u>1992</u>	<u>1993</u>	1994	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	1999	2000	<u>2001</u>	2002	2003	2004	2005	2006
Approximate weighted N =	15,000	15,800	16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200
Total	3.2	2.6	2.9	3.0	3.4	4.2	5.0	4.9	5.8	4.5	4.4	4.4	4.2	4.7	4.5	5.2
Gender:																
Male	3.7	3.1	3.7	3.7	4.0	4.9	5.7	5.6	7.1	5.5	4.9	5.0	5.4	5.8	5.4	5.7
Female	2.4	2.0	2.0	2.3	2.5	3.2	4.0	3.9	4.2	3.4	3.7	3.7	2.9	3.5	3.6	4.4
College Plans:																
None or under 4 years	4.0	4.0	3.9	4.3	4.5	5.7	7.0	8.9	7.6	6.7	7.4	7.1	4.8	6.8	6.7	6.9
Complete 4 years	2.8	2.0	2.5	2.5	2.9	3.5	4.1	3.5	5.2	3.7	3.4	3.4	3.8	3.9	3.9	4.7
Region:																
Northeast	3.4	2.8	2.3	2.8	4.2	5.2	5.9	4.7	4.1	3.7	4.4	4.3	5.3	4.4	4.3	6.2
Midwest	2.9	2.2	2.3	3.5	2.7	3.2	4.1	5.3	5.7	4.5	5.6	4.8	3.2	3.9	4.2	3.6
South	2.8	2.5	2.6	2.6	3.1	4.2	4.6	4.9	6.6	4.0	3.9	4.4	4.1	4.9	4.7	5.8
West	3.9	3.1	4.6	3.5	4.0	4.5	6.2	4.4	6.1	5.9	3.5	3.9	4.7	5.8	4.7	5.1
Population Density:																
Large MSA	3.7	3.1	2.6	2.6	3.7	3.9	4.2	4.8	4.8	3.7	4.1	3.5	3.0	3.9	4.6	7.2
Other MSA	3.3	2.5	3.6	3.5	3.3	4.4	5.2	4.9	6.0	4.5	4.3	4.7	5.3	5.4	4.7	4.4
Non-MSA	2.5	2.3	2.0	2.6	3.1	4.2	5.6	4.9	6.7	5.4	5.0	4.9	3.9	4.2	4.0	3.8
Parental Education: a																
1.0-2.0 (Low)	3.5	3.7	3.9	2.7	2.9	5.2	6.4	5.5	7.4	5.4	3.7	5.1	4.1	6.3	4.1	4.6
2.5–3.0	3.5	2.3	2.3	3.2	3.4	3.8	4.9	5.3	5.0	3.8	5.6	4.7	3.4	3.6	5.5	5.5
3.5-4.0	3.2	2.6	3.3	3.4	3.6	4.6	4.9	5.3	6.9	4.7	4.7	4.9	4.6	5.1	4.7	5.2
4.5–5.0	2.7	2.3	2.9	2.6	3.2	3.9	4.4	4.2	5.5	4.5	3.9	3.4	4.3	5.1	4.2	4.6
5.5–6.0 (High)	2.4	2.0	1.7	3.1	2.7	3.8	4.8	3.5	3.6	4.2	2.2	3.9	3.8	3.7	3.7	5.9
Race/Ethnicity (2-year average): b																
White	4.2	2.9	2.6	2.9	3.3	3.9	5.0	5.6	6.0	5.7	5.0	5.1	4.9	4.8	4.9	5.2
African American	1.0	1.0	0.7	0.8	0.8	0.7	0.7	0.6	0.8	1.0	0.9	8.0	1.0	1.1	1.2	1.4
Hispanic	5.0	4.3	5.1	5.1	4.0	5.6	6.9	6.0	5.8	6.6	5.8	4.7	3.9	4.8	5.8	5.7

TABLE 48 (cont.)

OTHER COCAINE: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

	-				Percer	ntage who	o used in	last 12 r	months					
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2018-2019 change
Approximate weighted N =		14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	4.5	4.0	3.0	2.6	2.6	2.4	2.4	2.4	2.1	2.0	2.3	2.0	1.9	-0.1
Gender:														
Male	4.8	4.8	3.6	3.6	3.4	2.8	3.1	3.6	2.7	2.5	3.4	2.2	2.2	0.0
Female	3.9	3.1	2.3	1.7	1.9	1.8	1.6	1.3	1.6	1.4	1.4	1.2	1.3	+0.1
College Plans:														
None or under 4 years	7.7	6.8	4.7	5.3	4.3	3.2	4.4	3.3	3.8	3.3	4.3	3.3	3.5	+0.2
Complete 4 years	3.6	3.1	2.5	2.1	2.2	2.0	1.8	2.1	1.7	1.7	1.8	1.4	1.2	-0.2
Region:														
Northeast	5.3	4.4	2.7	3.3	2.9	1.8	2.4	2.2	1.9	1.0	2.2	2.1	1.2	-0.8
Midwest	4.4	3.4	3.5	2.2	2.6	1.7	1.7	2.0	1.9	1.6	1.7	1.8	1.5	-0.3
South	4.5	4.2	2.7	1.9	2.4	2.5	2.1	2.5	1.6	1.7	2.0	1.4	1.8	+0.4
West	3.8	4.1	2.9	3.6	2.9	3.3	3.5	2.7	3.5	3.7	3.5	2.9	3.4	+0.4
Population Density:														
Large MSA	4.3	4.1	2.8	2.8	2.6	2.6	2.1	2.0	2.4	2.2	2.6	2.0	1.6	-0.3
Other MSA	4.6	3.9	3.0	3.0	2.7	2.6	2.7	2.9	2.0	2.1	2.3	1.8	1.8	0.0
Non-MSA	4.6	4.2	3.2	1.5	2.5	1.5	1.9	1.9	1.9	1.8	1.9	2.3	2.4	+0.1
Parental Education: ^a														
1.0-2.0 (Low)	5.2	3.0	3.8	3.0	3.2	3.5	3.3	1.7	3.1	2.7	2.7	2.4	1.9	-0.5
2.5–3.0	5.0	3.8	3.2	2.6	2.6	2.4	3.1	3.1	2.3	1.9	2.7	2.5	2.1	-0.4
3.5-4.0	4.5	4.6	2.5	2.9	2.9	2.4	2.7	2.3	2.1	1.9	2.2	1.3	1.6	+0.3
4.5–5.0	4.3	3.5	2.9	2.1	2.2	1.9	1.4	2.2	1.8	2.0	1.7	1.6	1.8	+0.1
5.5-6.0 (High)	3.7	4.2	2.6	2.6	2.5	2.2	1.9	2.6	1.9	2.0	2.4	1.6	1.2	-0.4
Race/Ethnicity (2-year average): b														
White	5.5	5.2	4.3	3.2	3.0	2.8	2.3	2.0	2.0	2.1	2.3	2.3	1.9	-0.4
African American	1.2	0.7	0.6	0.7	0.7	0.8	1.0	1.5	1.4	0.8	0.6	0.4	0.7	+0.3
Hispanic	4.8	3.7	3.1	2.5	2.5	3.1	3.6	3.4	3.0	2.9	2.7	2.4	2.1	-0.3

tes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one form in 1987–1989; N is one fifth of N indicated in 1987–1988 and one sixth of N indicated in 1989 in Table S3. Data based on four of six forms beginning in 1990; N is four sixths of N indicated in Table S3.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 49
HEROIN: Trends in Annual Prevalence of Use by Subgroups in Grade 8

						Percer	itage wh	o used ir	n last 12	months					
	1991	1992	1993	1994	<u>1995</u> ^a	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800
Total	0.7	0.7	0.7	1.2	1.4	1.6	1.3	1.3	1.4	1.1	1.0	0.9	0.9	1.0	8.0
Gender:															
Male	0.9	8.0	8.0	1.3	1.6	1.5	1.4	1.5	1.4	1.0	1.0	8.0	8.0	0.9	8.0
Female	0.5	0.7	0.5	0.9	1.2	1.5	1.1	1.1	1.3	1.2	1.0	1.0	0.9	1.0	8.0
College Plans:															
None or under 4 years	2.1	2.7	2.0	3.9	4.4	4.1	3.4	5.0	3.7	3.5	3.1	2.9	3.1	4.2	2.3
Complete 4 years	0.4	0.4	0.5	0.7	1.0	1.1	1.1	0.9	1.1	0.8	0.8	0.7	0.6	0.6	0.6
Region:															
Northeast	0.5	0.6	0.7	1.3	1.4	1.8	1.1	1.1	1.3	1.1	1.1	8.0	0.7	1.1	0.7
Midwest	0.4	8.0	0.5	1.1	1.4	1.6	1.4	1.3	1.6	1.4	1.0	1.0	1.0	8.0	0.5
South	0.8	0.7	0.7	1.1	1.5	1.4	1.2	1.4	1.4	0.7	1.2	1.0	1.0	0.9	1.0
West	1.0	0.7	1.1	1.1	1.2	1.6	1.4	1.3	1.2	1.4	0.7	1.0	0.9	1.2	8.0
Population Density:															
Large MSA	0.5	0.7	0.7	1.2	1.2	1.4	1.0	1.0	1.3	1.0	0.9	0.7	8.0	1.2	0.6
Other MSA	0.7	0.8	0.9	1.2	1.5	1.7	1.3	1.3	1.4	1.1	1.0	1.0	0.9	1.0	8.0
Non-MSA	8.0	0.7	0.4	1.0	1.5	1.5	1.5	1.6	1.5	1.0	1.1	1.1	1.2	0.6	1.0
Parental Education: b															
1.0-2.0 (Low)	1.5	1.4	8.0	2.0	2.6	2.0	2.3	3.5	2.8	1.7	2.6	1.2	2.1	1.9	0.5
2.5-3.0	0.9	0.7	0.6	1.1	1.0	1.7	1.4	1.2	1.4	1.5	1.1	1.3	1.0	1.1	1.3
3.5-4.0	0.6	0.6	0.7	1.3	1.6	1.7	1.0	1.1	1.2	0.7	1.0	0.9	8.0	1.0	1.0
4.5–5.0	0.4	0.5	8.0	0.8	1.2	1.4	1.1	1.1	1.1	0.8	0.6	8.0	0.6	0.7	0.5
5.5-6.0 (High)	0.5	0.8	0.6	1.3	1.6	1.0	1.5	1.4	1.8	1.0	0.8	0.6	0.7	0.6	0.4
Race/Ethnicity (2-year average): c															
White	_	0.6	0.6	8.0	1.2	1.6	1.6	1.3	1.2	1.2	1.0	1.0	0.9	0.9	8.0
African American	_	0.4	0.3	0.6	0.7	0.5	0.4	0.5	0.7	0.5	0.6	0.6	0.5	0.7	0.5
Hispanic	_	1.4	1.4	1.5	1.8	2.1	1.7	1.7	2.2	2.0	1.4	1.2	1.4	1.7	1.5

TABLE 49

HEROIN: Trends in Annual Prevalence of Use by Subgroups in Grade 8

					Pe	rcentage	e who us	ed in las	t 12 mon	iths					
										00458	00408	00478	00408	20108	2018-2019
Access to the contract of the	2006	2007	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	2015 ^a	2016 ^a	2017 ^a	2018 ^a	2019 ^a	change
,,	16,500 0.8	16,100	15,700 0.9	15,000 0.7	15,300	16,000 0.7	15,100	14,600	14,600	14,400	16,900	15,300 0.3	14,000	13,600	0.0
Total	0.8	8.0	0.9	0.7	8.0	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.0
Gender: Male	0.6	0.8	0.9	0.8	0.9	0.7	0.5	0.4	0.6	0.2	0.2	0.2	0.4	0.0	-0.1
iviale Female			0.9	0.8	0.9				0.6					0.3	
	0.9	0.9	0.7	0.7	0.7	0.7	0.5	0.5	0.4	0.3	0.2	0.4	0.2	0.4	+0.2
College Plans:	0.0	0.7	0.5	0.5	0.0	0.4	4.0	0.4	0.0	0.0	0.0	4.7	0.0	0.7	0.0
None or under 4 years	3.0	3.7	3.5	3.5	2.3	3.1	1.8	2.1	2.2	0.6	0.9	1.7	0.9	0.7	-0.3
Complete 4 years	0.6	0.5	0.6	0.5	0.7	0.5	0.4	0.4	0.3	0.2	0.1	0.2	0.2	0.3	+0.1
Region:															
Northeast	0.4	0.5	0.7	0.4	0.6	0.6	0.4	0.3	0.3	0.1	0.2	0.2	0.2	0.2	0.0
Midwest	0.7	8.0	1.0	0.7	8.0	8.0	0.4	0.4	0.5	0.3	0.1	0.3	0.1	0.3	+0.1
South	0.9	8.0	8.0	0.6	8.0	0.6	0.6	0.6	0.4	0.4	0.4	0.3	0.4	0.4	0.0
West	0.9	1.0	0.9	1.2	0.9	8.0	0.5	0.6	8.0	0.1	0.2	0.7	0.5	0.4	-0.2
Population Density:															
Large MSA	0.7	0.5	1.2	0.6	0.7	0.6	0.6	0.5	0.6	0.2	0.2	0.4	0.6	0.3	-0.3
Other MSA	0.9	0.9	8.0	8.0	0.9	8.0	0.5	0.6	0.4	0.2	0.3	0.4	0.2	0.4	+0.2
Non-MSA	8.0	1.0	0.6	0.7	0.7	0.7	0.3	0.4	0.5	0.5	0.2	0.1	0.2	0.2	0.0
Parental Education: b															
1.0-2.0 (Low)	1.8	1.9	2.3	2.0	1.4	1.4	0.9	1.2	1.1	0.3	0.3	1.0	0.6	0.5	-0.1
2.5-3.0	0.8	0.8	1.0	0.8	1.0	1.3	0.8	0.6	0.4	0.2	0.3	0.3	0.6	0.3	-0.3
3.5-4.0	0.8	0.6	0.7	0.6	8.0	0.6	0.8	0.5	0.4	0.2	0.3	0.3	0.4	0.6	+0.2
4.5–5.0	0.6	0.9	0.4	0.5	0.5	0.3	0.2	0.3	0.3	0.3	0.2	0.0	0.2	0.1	0.0
5.5-6.0 (High)	0.4	0.4	1.2	0.6	0.8	0.5	0.3	0.5	0.5	0.1	0.1	0.3	0.1	0.4	+0.3
Race/Ethnicity (2-year average): °															
White	0.7	0.7	8.0	0.7	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.0
African American	0.4	0.4	0.4	0.6	0.7	0.4	0.5	0.5	0.4	0.2	0.1	0.2	0.2	0.4	+0.2
Hispanic	1.1	1.2	1.3	1.2	1.3	1.4	1.0	0.7	0.6	0.3	0.1	0.4	0.6	0.5	0.0

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aIn 1995, the heroin question was changed in half of the forms. Separate questions were asked for use with and without injection. In 1996, the remaining forms were changed. Data presented here represent the combined data from all forms. Beginning in 2015 Heroin use with and without a needle were dropped in one form; data based on three of four forms; N is two thirds of N indicated.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 50

HEROIN: Trends in Annual Prevalence of Use by Subgroups in Grade 10

						Percer	ntage wh	o used ir	n last 12	months					
	1991	1992	1993	1994	1995 ^a	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200
Total	0.5	0.6	0.7	0.9	1.1	1.2	1.4	1.4	1.4	1.4	0.9	1.1	0.7	0.9	0.9
Gender:															
Male	0.7	8.0	0.9	1.0	1.3	1.5	1.6	1.7	1.7	1.5	1.0	1.3	0.8	1.0	1.1
Female	0.4	0.4	0.4	0.8	0.8	0.9	1.3	1.1	1.2	1.2	0.8	0.8	0.7	0.7	0.8
College Plans:															
None or under 4 years	1.4	1.4	1.9	2.0	2.2	2.4	2.9	2.7	3.4	3.8	2.5	2.7	2.0	2.8	3.2
Complete 4 years	0.3	0.4	0.4	0.7	0.9	1.0	1.2	1.2	1.1	1.0	0.7	0.8	0.5	0.6	0.6
Region:															
Northeast	0.4	0.6	0.6	0.6	0.9	0.9	1.3	1.8	1.9	1.5	1.0	0.9	0.6	1.1	1.3
Midwest	0.6	0.6	8.0	0.9	1.0	1.5	1.5	1.4	1.3	1.6	1.1	1.2	0.7	0.7	1.0
South	0.6	0.5	0.6	1.0	1.3	1.4	1.5	1.3	1.4	1.5	0.9	0.8	0.9	1.0	0.8
West	0.4	8.0	0.5	1.2	1.0	1.0	1.3	1.1	1.1	0.7	0.7	1.4	0.7	8.0	8.0
Population Density:															
Large MSA	0.6	0.6	0.7	8.0	1.0	1.1	1.6	1.2	1.2	1.8	0.9	0.9	0.6	0.9	8.0
Other MSA	0.5	0.6	0.6	0.9	1.0	1.3	1.3	1.5	1.4	1.2	1.0	1.0	0.8	0.9	1.0
Non-MSA	0.4	0.6	0.7	1.0	1.3	1.2	1.6	1.5	1.6	1.2	0.9	1.4	0.9	0.7	0.9
Parental Education: b															
1.0-2.0 (Low)	0.4	0.5	1.2	1.3	1.8	1.0	1.3	1.7	2.4	1.3	1.1	2.0	1.1	1.5	1.7
2.5–3.0	0.8	0.7	0.7	8.0	1.0	1.2	1.3	1.2	1.5	1.7	1.3	0.8	0.8	1.0	1.2
3.5-4.0	0.5	0.6	8.0	0.9	1.2	1.3	1.6	1.6	1.2	1.5	0.6	1.1	0.7	8.0	8.0
4.5–5.0	0.4	0.5	0.3	0.9	0.9	1.1	1.5	1.3	1.4	1.3	0.8	0.7	0.6	0.7	0.8
5.5-6.0 (High)	0.4	0.5	8.0	0.9	0.9	1.5	1.1	1.3	1.2	1.1	0.9	1.6	0.3	0.5	0.6
Race/Ethnicity (2-year average): c															
White	_	0.6	0.7	8.0	1.0	1.2	1.4	1.4	1.5	1.5	1.2	1.0	0.9	0.8	0.9
African American	_	0.3	0.4	0.6	0.6	0.2	0.2	0.4	0.5	0.5	0.5	0.3	0.3	0.4	0.6
Hispanic	_	0.7	0.7	0.7	1.0	1.0	1.3	1.6	1.7	1.4	1.4	1.1	1.1	1.2	1.2

TABLE 50

HEROIN: Trends in Annual Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 12 months														
										2015 ^a	2016 ^a	2017 ^a	2018 ^a	2019 ^a	2018-2019
	2006	2007	2008	2009	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>						<u>change</u>
Approximate weighted N =		16,100	15,100	15,900		14,900	15,000	12,900	13,000	-,	,	13,500	14,300	14,000	.0.4
Total	0.9	8.0	8.0	0.9	8.0	8.0	0.6	0.6	0.5	0.5	0.3	0.2	0.2	0.3	+0.1
Gender:															
Male .	0.9	0.9	1.0	1.1	0.9	0.9	0.6	0.9	0.5	0.4	0.5	0.2	0.2	0.4	+0.2
Female	8.0	8.0	0.6	0.6	0.7	0.6	0.6	0.4	0.5	0.4	0.1	0.2	0.1	0.1	0.0
College Plans:															
None or under 4 years	2.7	2.0	2.5	2.9	2.8	2.6	2.5	2.0	1.9	1.3	1.0	0.7	0.5	0.5	-0.1
Complete 4 years	0.6	0.7	0.6	0.7	0.6	0.6	0.4	0.5	0.4	0.3	0.2	0.1	0.1	0.2	+0.1
Region:															
Northeast	0.9	1.1	0.7	0.9	8.0	0.9	0.6	0.5	0.2	0.6	0.2	0.2	0.2	0.2	0.0
Midwest	0.9	0.7	1.0	1.1	8.0	0.5	0.6	0.5	0.4	0.4	0.4	0.4	0.1	0.3	+0.1
South	0.9	8.0	0.9	8.0	0.8	0.9	0.6	0.5	8.0	0.5	0.3	0.1	0.2	0.3	+0.1
West	0.7	0.9	0.7	1.0	8.0	0.7	0.6	0.9	0.5	0.4	0.4	0.3	0.2	0.4	+0.3
Population Density:															
Large MSA	0.7	0.9	0.6	0.8	0.8	0.7	0.7	0.5	0.4	0.4	0.3	0.3	0.2	0.2	+0.1
Other MSA	0.9	8.0	0.8	1.2	0.8	0.8	0.4	0.8	0.4	0.3	0.3	0.2	0.2	0.4	+0.2
Non-MSA	1.0	0.7	1.1	0.5	0.9	0.8	0.9	0.5	1.1	0.8	0.4	0.3	0.2	0.2	0.0
Parental Education: b															
1.0–2.0 (Low)	1.4	1.8	1.9	1.5	1.3	0.9	1.7	0.8	0.5	1.1	0.6	0.6	0.2	0.3	+0.1
2.5–3.0	0.9	8.0	0.5	1.1	0.6	1.0	8.0	0.9	0.7	0.5	0.3	0.3	0.1	0.5	+0.4
3.5-4.0	0.6	8.0	1.1	1.2	0.7	0.8	0.5	0.4	0.6	0.4	0.2	0.2	0.2	0.2	0.0
4.5–5.0	0.7	0.7	0.6	0.6	0.9	0.5	0.5	0.5	0.4	0.3	0.3	0.1	0.1	0.1	0.0
5.5-6.0 (High)	1.2	0.5	0.6	0.6	0.8	0.5	0.3	0.9	0.5	0.4	0.4	0.1	0.3	0.5	+0.3
Race/Ethnicity (2-year average): c															
White	1.0	0.8	0.7	0.8	0.8	0.7	0.6	0.5	0.6	0.5	0.3	0.2	0.1	0.2	+0.1
African American	0.6	0.4	0.5	0.4	0.4	0.8	8.0	0.7	0.6	0.5	0.4	0.4	0.2	0.1	-0.2
Hispanic	1.2	1.0	1.0	1.1	1.0	0.9	1.0	1.0	0.7	0.5	0.4	0.4	0.3	0.2	-0.1

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aIn 1995, the heroin question was changed in half of the forms. Separate questions were asked for use with and without injection. In 1996, the remaining forms were changed. Data presented here represent the combined data from all forms. Beginning in 2015 Heroin use with and without a needle were dropped in one form; data based on three of four forms; *N* is two thirds of *N* indicated.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 51

HEROIN: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

Percentage who used in last 12 months 1979 1980 1981 1982 1983 1984 1985 <u> 1986</u> 1987 1988 1989 1990 1976 1977 <u> 1978</u> 9,400 17,500 16,000 15,200 Approximate weighted N = 15,400 17,100 17,800 15,500 15,900 17,700 16,300 15,900 15,200 16,300 16,300 16,700 Total 1.0 0.8 0.5 0.6 0.6 0.5 0.5 0.5 8.0 8.0 0.5 0.5 0.6 0.5 0.5 0.6 Gender: 8.0 Male 1.2 0.7 0.6 1.0 1.2 1.1 0.6 0.6 0.6 8.0 0.7 0.7 0.7 0.7 0.9 0.6 Female 0.8 0.5 0.4 0.3 0.4 0.3 0.4 0.4 0.3 0.3 0.2 0.3 0.3 0.4 0.3 College Plans: None or under 4 years 0.9 1.1 1.0 0.7 0.6 0.5 0.7 0.9 0.6 0.7 8.0 0.5 0.8 0.9 0.6 0.6 0.3 0.3 0.5 Complete 4 years 0.6 0.5 0.3 0.5 0.4 0.4 0.4 0.4 0.3 0.5 0.4 Region: Northeast 1.1 0.7 0.7 0.6 0.6 0.5 0.5 0.9 0.6 0.6 8.0 0.7 0.6 0.5 0.9 0.8 Midwest 1.3 1.0 1.0 0.8 0.5 0.7 0.6 0.5 0.4 0.6 0.6 0.4 0.6 0.3 0.6 0.3 South 0.9 0.7 0.9 1.1 0.6 0.3 0.5 0.5 0.7 0.5 0.6 0.5 0.4 0.5 0.6 0.5 West 0.7 0.6 0.5 0.8 0.2 0.4 0.5 0.3 0.5 0.4 0.3 0.5 0.5 0.7 0.7 0.3 Population Density: Large MSA 1.3 1.0 0.5 0.7 0.4 0.3 0.3 0.7 0.6 0.6 0.7 0.7 0.3 0.4 0.5 0.4 Other MSA 0.5 0.5 0.9 1.0 8.0 8.0 0.6 0.5 0.5 0.4 0.4 0.4 0.7 0.4 0.6 0.7 Non-MSA 1.0 0.4 1.1 1.0 0.5 0.6 0.7 0.6 0.7 0.7 0.4 0.5 0.5 0.5 0.8 0.5 Parental Education: a 1.0-2.0 (Low) 1.2 0.8 8.0 8.0 0.6 0.6 0.4 0.4 0.5 0.6 0.8 0.9 0.5 0.5 0.9 0.8 2.5-3.0 8.0 0.9 8.0 0.9 0.5 0.6 0.6 0.7 0.6 0.5 0.5 0.4 0.4 0.7 0.7 0.4 3.5-4.0 0.6 0.8 0.9 0.7 0.4 0.4 0.5 0.3 0.5 0.5 0.5 0.5 0.6 0.4 0.6 0.4 4.5-5.0 1.2 1.4 0.6 0.9 0.6 0.4 0.3 0.6 0.4 0.4 0.7 0.3 0.3 0.3 0.6 0.4 5.5-6.0 (High) 1.2 0.6 1.1 1.0 8.0 0.4 0.7 1.1 8.0 0.5 0.6 0.5 0.7 0.4 0.4 0.5 Race/Ethnicity (2-year average): b 0.5 White 8.0 0.8 0.6 0.5 0.4 0.5 0.5 0.5 0.5 0.4 0.4 0.5 0.6 African American 0.6 0.6 0.5 0.5 0.6 0.7 0.6 0.4 0.5 0.5 0.5 0.7 0.6 0.3 Hispanic 1.2 2.0 1.7 0.4 0.3 0.4 0.6 1.1 1.0 0.9 0.9 0.5 0.5 0.6

TABLE 51 (cont.) **HEROIN:** Trends in <u>Annual Prevalence of Use by Subgroups in <u>Grade 12</u></u>

Percentage who used in last 12 months 1994 1995° 1991 1992 1993 1996 1997 1998 1999 2001 2002 2003 2004 2005 2006 2000 Approximate weighted N = 15,00015,400 15,400 14,300 15,400 15,200 12,800 12,900 14,700 14,200 15,800 16,300 13,600 12,800 14,600 14,600 Total 0.4 0.5 0.6 1.0 0.9 8.0 0.9 0.8 8.0 0.6 1.1 1.2 1.0 1.1 1.5 1.0 Gender: Male 0.6 0.8 1.3 8.0 0.7 1.4 1.5 1.4 1.4 1.7 1.3 1.1 8.0 1.2 1.2 1.0 0.7 Female 0.3 0.3 0.3 0.4 8.0 0.9 0.7 0.8 1.2 0.6 8.0 0.5 0.4 0.5 0.4 College Plans: None or under 4 years 0.5 0.9 1.0 1.1 1.5 1.8 1.8 1.7 1.3 2.2 1.3 2.3 0.9 1.6 1.8 1.3 0.5 8.0 8.0 1.0 0.7 0.6 Complete 4 years 0.4 0.5 0.4 0.9 1.0 1.1 0.7 0.6 0.6 0.6 Region: 0.2 Northeast 0.5 0.9 0.7 1.0 1.6 1.7 1.3 1.2 1.0 1.2 1.2 8.0 0.9 1.0 1.1 Midwest 8.0 0.6 0.5 0.9 0.7 0.7 0.9 1.0 0.9 1.4 1.3 1.0 0.6 0.6 0.8 0.4 South 0.4 0.6 0.4 0.6 1.4 1.0 1.1 1.1 1.3 1.6 0.6 1.2 1.0 1.0 0.9 8.0 West 0.3 0.8 0.5 0.4 1.0 0.9 1.2 0.6 0.9 1.8 8.0 0.5 0.5 0.9 0.7 0.7 Population Density: Large MSA 0.4 0.4 0.6 0.4 1.4 1.1 1.1 0.9 0.8 1.9 1.1 1.0 0.7 0.8 0.8 1.0 Other MSA 0.8 0.6 0.4 0.7 0.5 0.9 1.1 1.3 1.3 1.3 1.3 8.0 1.0 8.0 1.0 0.9 Non-MSA 0.6 0.7 0.5 0.5 1.0 0.9 1.0 0.6 1.0 1.3 0.9 1.1 0.9 0.6 0.8 0.6 Parental Education: a 1.0-2.0 (Low) 0.5 0.7 0.3 0.9 1.8 1.1 2.1 1.2 2.3 2.3 1.3 2.1 1.1 1.4 1.0 1.2 2.5-3.0 0.4 0.6 0.4 8.0 1.1 0.9 1.0 1.0 0.9 1.6 0.5 1.0 0.7 0.9 1.2 0.9 3.5-4.0 0.4 0.6 0.6 0.4 0.9 1.1 1.2 1.2 1.0 1.3 1.0 0.9 8.0 0.7 0.8 0.7 4.5-5.0 0.6 0.7 0.7 0.3 1.1 1.0 1.1 1.0 1.1 1.5 1.0 0.7 0.6 0.9 0.5 0.5 5.5-6.0 (High) 0.5 0.3 0.4 0.9 1.0 8.0 1.1 0.7 1.1 1.1 0.8 1.0 0.6 0.6 0.8 0.7 Race/Ethnicity (2-year average): b White 0.5 0.5 0.5 0.5 0.8 1.0 1.2 1.2 1.1 1.3 1.3 1.0 8.0 0.7 0.7 0.7 African American 0.2 0.5 0.4 0.3 0.4 0.5 0.5 0.4 0.3 0.5 0.4 0.5 0.7 0.7 0.8 0.7 Hispanic 0.6 0.9 0.7 0.5 1.2 1.5 1.1 8.0 1.0 2.0 1.6 0.8 8.0 1.0 1.3 1.2

TABLE 51 (cont.) **HEROIN:** Trends in <u>Annual Prevalence of Use by Subgroups in <u>Grade 12</u></u>

					Percer	ntage who	used in	last 12 r	nonths					
	0007	0000	0000	0040	0044	0040	0040	0044	0045	0040	0047	0040	0040	2018-2019
Approximate weighted N =	2007 14 500	2008 14,000	2009 13,700	2010 14,400	2011 14,100	2012 13,700	2013 12,600	2014 12,400	2015 12,900	2016 11,800	2017 12,600	2018 13,300	2019 12,900	<u>change</u>
Total	0.9	0.7	0.7	0.9	0.8	0.6	0.6	0.6	0.5	0.3	0.4	0.4	0.4	0.0
Gender:														
Male	1.2	1.0	1.0	1.1	1.0	0.8	8.0	0.9	0.7	0.4	0.4	0.3	0.5	+0.1
Female	0.6	0.4	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.0
College Plans:														
None or under 4 years	2.2	1.4	1.1	1.7	1.2	1.2	1.0	1.1	1.3	0.8	0.7	8.0	0.8	0.0
Complete 4 years	0.7	0.5	0.6	0.6	0.7	0.5	0.4	0.5	0.3	0.1	0.2	0.2	0.3	+0.1
Region:														
Northeast	1.1	0.7	0.8	1.3	0.7	0.8	0.6	0.8	0.3	0.2	0.1	0.2	0.4	+0.1
Midwest	0.8	0.6	0.8	0.9	0.7	0.7	0.6	0.6	0.6	0.4	0.2	0.6	0.1	-0.5 s
South	0.9	0.7	0.6	0.7	0.7	0.4	0.5	0.5	0.4	0.2	0.6	0.4	0.5	+0.1
West	0.9	1.0	0.9	0.7	1.0	8.0	0.7	0.5	0.6	0.4	0.4	0.1	0.4	+0.2
Population Density:														
Large MSA	0.9	0.9	0.9	0.8	0.9	0.7	0.5	0.4	0.4	0.4	0.3	0.3	0.5	+0.1
Other MSA	0.9	8.0	8.0	0.9	8.0	0.7	0.6	0.7	0.4	0.2	0.4	0.4	0.3	-0.1
Non-MSA	1.0	0.5	0.6	0.8	0.5	0.5	0.6	0.5	0.6	0.4	0.5	0.3	0.4	+0.1
Parental Education: ^a														
1.0–2.0 (Low)	1.7	1.3	1.5	1.1	1.0	1.3	1.0	1.3	8.0	0.5	0.7	1.1	0.9	-0.2
2.5–3.0	1.0	0.5	0.8	1.0	0.5	8.0	0.6	0.6	0.4	0.2	0.6	0.3	0.4	+0.1
3.5–4.0	8.0	0.9	0.6	0.9	8.0	0.4	0.4	0.3	0.6	0.3	0.3	0.3	0.4	+0.1
4.5–5.0	0.9	0.5	0.6	0.7	8.0	0.5	0.5	0.7	0.4	0.2	0.2	0.1	0.1	0.0
5.5–6.0 (High)	0.5	0.7	0.5	0.6	0.7	0.4	0.6	0.5	0.2	0.3	0.2	0.2	0.3	+0.1
Race/Ethnicity (2-year average): ^b														
White	0.9	0.9	0.7	8.0	0.9	0.7	0.5	0.4	0.4	0.3	0.2	0.2	0.2	0.0
African American	0.5	0.4	0.4	0.6	0.7	8.0	8.0	0.9	1.0	0.6	0.5	0.6	0.7	+0.1
Hispanic	1.1	0.9	0.7	0.6	0.5	0.4	0.5	0.6	0.5	0.4	0.4	0.4	0.5	0.0

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^cIn 1995, the heroin question was changed in half of the forms. Separate questions were asked for use with and without injection. In 1996, the remaining forms were changed. Data presented here represent the combined data from all forms.

TABLE 52

HEROIN WITH A NEEDLE: Trends in Annual Prevalence of Use by Subgroups in Grade 8

				Pe	ercentage	e who us	ed in last	12 mon	ths			
	1991-											-
	1994	<u>1995</u>	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Approximate weighted N =	_	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800
Total	_	0.9	1.0	0.8	8.0	0.9	0.6	0.7	0.6	0.6	0.7	0.6
Gender:												
Male	_	1.2	1.0	8.0	1.0	1.0	0.7	0.7	0.6	0.7	0.7	0.6
Female	_	0.5	1.0	0.7	0.7	8.0	0.6	0.7	0.6	0.5	0.7	0.6
College Plans:												
None or under 4 years	_	3.2	3.1	2.0	3.1	2.2	2.1	2.2	1.9	2.0	3.1	1.5
Complete 4 years	_	0.6	0.7	0.6	0.6	0.7	0.5	0.6	0.5	0.4	0.4	0.4
Region:												
Northeast	_	0.8	1.3	0.5	0.6	1.0	8.0	0.9	0.6	0.4	0.7	0.4
Midwest	_	0.9	1.1	0.7	0.9	1.2	0.9	0.7	8.0	0.6	0.6	0.3
South	_	0.8	0.9	0.8	1.0	0.9	0.3	0.9	0.6	0.7	0.6	0.8
West	_	1.0	1.0	1.0	8.0	0.7	8.0	0.3	0.6	0.7	0.9	0.6
Population Density:												
Large MSA	_	0.9	0.7	0.6	8.0	8.0	0.7	0.7	0.4	0.5	1.0	0.3
Other MSA	_	0.9	1.2	8.0	8.0	0.9	0.6	0.6	0.7	0.6	0.7	0.7
Non-MSA	_	0.9	1.1	0.9	1.1	1.1	0.7	1.0	8.0	0.9	0.5	0.7
Parental Education: a												
1.0–2.0 (Low)	_	1.3	0.9	1.5	2.3	2.0	1.2	2.0	1.1	1.6	1.6	0.3
2.5–3.0	_	0.5	1.2	8.0	8.0	0.9	0.5	0.7	0.9	0.6	8.0	1.0
3.5-4.0	_	8.0	1.2	0.6	0.6	0.9	0.4	0.6	0.6	0.4	0.7	0.7
4.5–5.0	_	1.0	8.0	0.7	0.7	0.5	0.4	0.5	0.5	0.5	0.6	0.3
5.5–6.0 (High)	_	1.0	0.6	0.9	0.9	1.2	0.9	0.7	0.4	0.5	0.5	0.3
Race/Ethnicity (2-year average): b												
White	_	_	1.1	1.0	0.7	0.8	0.7	0.6	0.7	0.6	0.6	0.5
African American	_	_	0.3	0.2	0.3	0.4	0.3	0.5	0.5	0.4	0.5	0.4
Hispanic	_	_	1.1	1.0	1.1	1.5	1.2	0.8	0.7	0.9	1.3	1.1

TABLE 52 (cont.) **HEROIN WITH A NEEDLE:** Trends in <u>Annual Prevalence of Use by Subgroups in <u>Grade 8</u></u>

					Percer	ntage wh	o used ir	last 12 r	months						
Approximate weighted N =	2006 16,500	2007 16,100	2008 15,700	2009 15.000	2010 15,300	2011 16,000	2012 15,100	2013 14,600	2014 14,600	2015 14,400	2016 16,900	2017 15,300	2018 14,000	2019 13,600	2018-2019 <u>change</u>
Total	0.5	0.6	0.5	0.5	0.6	0.5	0.4	0.3	0.4	0.2	0.2	0.2	0.2	0.2	0.0
Gender:															
Male	0.4	0.5	0.6	0.6	0.6	0.5	0.4	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.0
Female	0.6	0.5	0.4	0.5	0.5	0.4	0.3	0.4	0.3	0.2	0.1	0.3	0.1	0.2	+0.1
College Plans:															
None or under 4 years	2.1	2.7	2.1	2.6	1.3	2.1	1.3	1.8	2.2	0.6	0.7	1.1	0.5	0.3	-0.3
Complete 4 years	0.4	0.3	0.4	0.4	0.5	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.2	+0.1
Region:															
Northeast	0.3	0.4	0.5	0.3	0.5	0.5	0.3	0.2	0.2	0.1	0.2	0.1	0.2	0.2	+0.1
Midwest	0.4	0.6	0.5	0.5	0.6	0.3	0.3	0.3	0.4	0.2	0.1	0.3	0.1	0.0	-0.1
South	0.6	0.6	0.5	0.5	0.5	0.4	0.5	0.4	0.3	0.3	0.3	0.2	0.2	0.3	0.0
West	0.7	0.6	0.6	0.9	0.7	0.6	0.3	0.3	0.7	0.1	0.1	0.3	0.4	0.3	-0.1
Population Density:															
Large MSA	0.5	0.3	0.7	0.5	0.6	0.4	0.4	0.2	0.5	0.2	0.2	0.3	0.3	0.2	-0.1
Other MSA	0.6	0.6	0.5	0.6	0.7	0.5	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.3	+0.1
Non-MSA	0.4	0.7	0.3	0.5	0.3	0.4	0.2	0.2	0.4	0.3	0.2	0.1	0.1	0.0	-0.1
Parental Education: ^a															
1.0–2.0 (Low)	1.4	1.3	1.6	1.6	0.6	1.0	0.6	8.0	0.9	0.3	0.2	0.7	0.5	0.3	-0.2
2.5–3.0	0.5	0.6	0.5	0.5	0.7	0.9	0.5	0.4	0.3	0.1	0.2	0.2	0.4	0.3	-0.1
3.5–4.0	0.4	0.3	0.4	0.3	0.6	0.4	0.7	0.3	0.3	0.1	0.2	0.2	0.2	0.3	+0.1
4.5–5.0	0.4	0.6	0.3	0.4	0.4	0.2	0.1	0.2	0.3	0.2	0.2	0.0	0.1	0.1	0.0
5.5–6.0 (High)	0.2	0.3	0.7	0.5	0.6	0.4	0.2	0.3	0.4	0.1	0.1	0.1	0.1	0.1	0.0
Race/Ethnicity (2-year average): ^b															
White	0.4	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.2	0.0
African American	0.3	0.2	0.2	0.5	0.6	0.4	0.4	0.5	0.4	0.2	0.1	0.2	0.2	0.1	0.0
Hispanic	0.9	0.9	1.0	0.9	1.0	1.1	0.7	0.4	0.4	0.2	0.1	0.2	0.3	0.3	+0.1

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1995; N is one half of N indicated in Table S1. Data based on all forms beginning in 1996. Beginning in 2015 Heroin use with and without a needle were dropped in one form; data based on three of four forms; N is two thirds of N indicated.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 53

HEROIN WITH A NEEDLE: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 10</u>

				Pe	ercentage	e who us	ed in last	: 12 mon	ths			
	1991– 1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Approximate weighted N =	_	17.000	15,600	15,500	15,000	13,600	14,300	14,000	14.300	15.800	16.400	16,200
Total	_	0.6	0.7	0.7	0.8	0.6	0.5	0.4	0.6	0.5	0.5	0.5
Gender:												
Male	_	0.8	0.8	0.9	1.0	0.8	0.6	0.5	0.6	0.5	0.6	0.6
Female	_	0.4	0.4	0.5	0.5	0.5	0.4	0.3	0.4	0.4	0.3	0.4
College Plans:												
None or under 4 years	_	1.6	1.4	1.5	1.6	1.7	1.7	1.4	1.5	1.4	1.6	1.6
Complete 4 years	_	0.4	0.5	0.6	0.6	0.5	0.3	0.3	0.4	0.3	0.3	0.3
Region:												
Northeast	_	0.5	0.3	0.6	8.0	0.7	0.5	0.5	0.4	0.4	0.5	0.6
Midwest	_	0.6	1.0	8.0	0.9	0.7	0.5	0.5	0.6	0.5	0.4	0.5
South	_	0.6	0.7	8.0	8.0	0.6	0.6	0.3	0.5	0.5	0.5	0.4
West	_	0.5	0.5	0.6	0.6	0.6	0.4	0.5	8.0	0.5	0.5	0.6
Population Density:												
Large MSA	_	0.5	0.5	0.6	0.7	0.6	0.6	0.4	0.5	0.4	0.5	0.4
Other MSA	_	0.5	0.7	0.6	0.7	0.5	0.4	0.5	0.4	0.4	0.5	0.6
Non-MSA	_	8.0	8.0	1.1	1.0	1.0	0.6	0.4	1.0	0.6	0.3	0.5
Parental Education: ^a												
1.0-2.0 (Low)	_	1.6	0.6	0.7	1.3	1.2	1.0	0.5	1.2	8.0	1.0	1.4
2.5–3.0	_	0.5	8.0	0.6	0.6	0.7	8.0	0.7	0.3	0.4	0.5	0.6
3.5–4.0	_	0.7	0.7	0.9	0.9	0.6	0.5	0.2	0.6	0.5	0.4	0.4
4.5–5.0	_	0.4	0.5	0.7	0.6	0.6	0.3	0.3	0.3	0.5	0.3	0.4
5.5-6.0 (High)	_	0.3	0.6	0.7	8.0	0.6	0.3	0.5	1.1	0.2	0.3	0.3
Race/Ethnicity (2-year average): b												
White	_	_	0.6	0.7	0.7	0.6	0.5	0.4	0.5	0.5	0.4	0.4
African American	_	_	0.1	0.1	0.3	0.3	0.3	0.3	0.2	0.1	0.2	0.5
Hispanic	_	_	0.6	0.6	8.0	1.0	0.9	0.9	0.7	0.7	0.8	8.0

TABLE 53 (cont.) **HEROIN WITH A NEEDLE:** Trends in <u>Annual Prevalence of Use by Subgroups in <u>Grade 10</u></u>

					Percer	ntage wh	o used ir	last 12 i	months						
Approximate weighted N =	2006 16 200	2007 16,100	2008 15,100	2009 15,900	2010 15,200	<u>2011</u> 14,900	2012 15.000	2013 12.900	2014 13,000	2015 15,600	2016 14,700	2017 13.500	2018 14.300	2019 14.000	2018-2019 <u>change</u>
Total	0.5	0.5	0.5	0.6	0.5	0.5	0.4	0.5	0.4	0.2	0.3	0.2	0.1	0.2	+0.1
Gender:	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.2	0.0	0.2	0.1	0.2	-0.1
Male	0.6	0.5	0.6	0.8	0.5	0.6	0.5	0.6	0.4	0.2	0.5	0.2	0.2	0.3	+0.2
Female	0.4	0.5	0.4	0.3	0.4	0.4	0.3	0.3	0.4	0.2	0.1	0.2	0.1	0.1	0.0
College Plans:															
None or under 4 years	1.3	1.3	1.7	2.1	1.7	1.6	1.6	1.1	1.7	0.5	1.0	0.6	0.3	0.4	+0.1
Complete 4 years	0.4	0.4	0.3	0.4	0.3	0.4	0.3	0.4	0.3	0.2	0.2	0.1	0.1	0.2	+0.1
Region:															
Northeast	0.6	0.6	0.4	0.8	0.5	0.4	0.3	0.4	0.2	0.3	0.1	0.1	0.1	0.2	0.0
Midwest	0.5	0.4	0.5	0.7	0.5	0.4	0.5	0.5	0.4	0.3	0.4	0.3	0.1	0.1	0.0
South	0.6	0.4	0.6	0.4	0.5	0.7	0.3	0.4	0.5	0.2	0.2	0.1	0.1	0.3	+0.1
West	0.3	0.6	0.5	0.5	0.4	0.4	0.4	0.6	0.5	0.1	0.4	0.2	0.1	0.4	+0.3
Population Density:															
Large MSA	0.4	0.5	0.4	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.0
Other MSA	0.5	0.5	0.5	8.0	0.4	0.5	0.3	0.6	0.3	0.1	0.3	0.2	0.1	0.3	+0.2
Non-MSA	0.7	0.4	0.7	0.4	0.6	0.6	0.5	0.4	1.0	0.4	0.3	0.1	0.1	0.2	+0.1
Parental Education: ^a															
1.0-2.0 (Low)	1.0	1.3	1.7	1.0	0.9	0.6	1.2	0.4	0.5	0.4	0.5	0.6	0.1	0.2	0.0
2.5–3.0	0.5	0.5	0.2	0.7	0.2	0.5	0.5	0.5	0.5	0.3	0.3	0.2	0.1	0.4	+0.3
3.5–4.0	0.4	0.4	0.5	8.0	0.4	0.5	0.3	0.3	0.5	0.2	0.2	0.1	0.1	0.1	0.0
4.5–5.0	0.3	0.5	0.3	0.3	0.4	0.4	0.3	0.4	0.3	0.3	0.2	0.1	0.1	0.0	0.0
5.5-6.0 (High)	1.0	0.2	0.3	0.4	0.7	0.2	0.3	0.7	0.3	0.1	0.3	0.1	0.2	0.5	+0.4
Race/Ethnicity (2-year average): ^b															
White	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.3	0.2	0.2	0.1	0.2	+0.1
African American	0.4	0.2	0.4	0.4	0.4	0.6	0.5	0.4	0.5	0.4	0.4	0.3	0.2	0.1	-0.1
Hispanic	8.0	0.6	0.7	8.0	0.6	0.4	0.6	0.6	0.5	0.3	0.3	0.4	0.2	0.1	-0.1

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1995; N is one half of N indicated in Table S2. Data based on all forms beginning in 1996. Beginning in 2015 Heroin use with and without a needle were dropped in one form; data based on three of four forms; N is two thirds of N indicated.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 54 **HEROIN WITH A NEEDLE:** Trends in <u>Annual Prevalence of Use by Subgroups in <u>Grade 12</u></u>

				Pe	ercentage	who us	ed in last	12 mon	ths			
	1975– <u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	2003	2004	2005
Approximate weighted N =	_	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700
Total	_	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.5
Gender:												
Male	_	0.7	0.9	0.9	0.6	0.6	0.6	0.5	0.5	0.6	0.6	0.6
Female	_	0.3	0.1	0.2	0.3	0.2	0.2	0.1	0.2	0.3	0.1	0.3
College Plans:												
None or under 4 years	_	0.9	1.2	0.9	8.0	0.5	1.0	0.7	0.9	0.4	1.0	0.9
Complete 4 years	_	0.4	0.4	0.4	0.3	0.4	0.2	0.2	0.3	0.4	0.2	0.4
Region:												
Northeast	_	0.4	0.6	0.6	0.7	0.3	0.2	0.7	0.6	0.6	0.6	0.6
Midwest	_	0.5	0.4	8.0	0.4	0.5	0.4	0.2	0.6	0.3	0.2	0.7
South	_	0.4	0.6	0.3	0.5	0.4	8.0	0.1	0.3	0.6	0.4	0.4
West	_	8.0	0.5	0.5	0.1	0.3	0.1	0.4	0.2	0.2	0.5	0.3
Population Density:												
Large MSA	_	0.6	0.7	0.3	0.3	0.4	8.0	0.4	0.5	0.5	0.6	0.4
Other MSA	_	0.4	0.5	0.6	0.5	0.3	0.3	0.3	0.3	0.4	0.4	0.6
Non-MSA	_	0.6	0.3	0.7	0.5	0.6	0.3	0.2	0.5	0.4	0.2	0.5
Parental Education: ^a												
1.0–2.0 (Low)	_	0.7	0.9	1.8	8.0	1.5	1.2	0.7	8.0	0.5	0.2	8.0
2.5–3.0	_	0.6	0.5	0.4	0.5	0.1	0.4	0.3	0.4	0.7	0.6	0.5
3.5–4.0	_	0.2	0.3	0.3	0.4	0.5	0.2	0.1	0.5	0.3	0.3	0.4
4.5–5.0	_	0.5	0.7	0.6	0.4	0.3	0.4	0.4	0.2	0.4	0.4	0.3
5.5–6.0 (High)	_	0.6	0.5	0.5	0.2	0.4	0.2	0.3	0.2	0.3	0.4	0.4
Race/Ethnicity (2-year average): b												
White	_	_	0.4	0.5	0.5	0.4	0.3	0.2	0.2	0.3	0.3	0.3
African American	_	_	0.2	0.5	0.4	0.2	0.5	0.4	0.2	0.4	0.5	0.6
Hispanic	_	_	1.0	0.7	0.5	0.6	1.0	0.6	0.4	0.6	0.7	8.0

TABLE 54 (cont.) **HEROIN WITH A NEEDLE:** Trends in <u>Annual Prevalence of Use by Subgroups in <u>Grade 12</u></u>

					Pe	rcentage	e who use	ed in last	12 mont	hs					
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2018-2019 change
Approximate weighted N =		14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	change
Total	0.5	0.4	0.4	0.3	0.7	0.6	0.4	0.4	0.5	0.3	0.3	0.2	0.3	0.3	-0.0
Gender:															
Male	0.7	0.5	0.6	0.4	1.0	0.8	0.5	0.5	0.8	0.4	0.3	0.2	0.3	0.4	+0.1
Female	0.3	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.1	0.1	0.2	0.2	0.1	0.2	0.0
College Plans:															
None or under 4 years	1.0	1.0	1.0	0.6	1.6	1.3	1.1	0.7	0.9	8.0	1.0	0.4	1.0	0.7	-0.3
Complete 4 years	0.3	0.2	0.2	0.2	0.4	0.5	0.3	0.2	0.4	0.2	0.1	0.2	0.1	0.2	+0.1
Region:															
Northeast	8.0	0.7	0.3	0.3	0.6	0.8	0.6	0.3	0.7	0.0	0.1	0.1	0.2	0.6	+0.4
Midwest	0.1	0.1	0.3	0.3	0.8	0.4	0.6	0.3	0.7	0.6	0.3	0.1	0.6	0.1	-0.5
South	0.6	0.4	0.3	0.2	0.8	0.5	0.2	0.4	0.3	0.3	0.3	0.4	0.4	0.3	0.0
West	0.3	0.2	0.5	0.3	0.4	1.0	0.4	0.5	0.5	0.4	0.3	0.1	0.1	0.1	0.0
Population Density:															
Large MSA	0.7	0.6	0.2	0.5	0.7	8.0	0.5	0.3	0.4	0.5	0.2	0.2	0.4	0.4	0.0
Other MSA	0.4	0.2	0.5	0.2	0.6	0.7	0.4	0.4	0.6	0.2	0.3	0.3	0.3	0.2	-0.2
Non-MSA	0.4	0.4	0.2	0.1	0.7	0.3	0.2	0.3	0.4	0.4	0.5	0.2	0.2	0.4	+0.2
Parental Education: ^a															
1.0–2.0 (Low)	1.0	1.0	0.9	8.0	1.4	1.4	0.4	8.0	1.5	8.0	0.7	0.6	1.4	0.5	-0.9
2.5–3.0	0.5	0.4	0.3	0.5	0.9	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.0
3.5–4.0	0.5	0.2	0.4	0.2	0.5	8.0	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.4	+0.2
4.5–5.0	0.2	0.2	0.3	0.1	0.5	0.4	0.5	0.3	0.6	0.4	0.1	0.1	0.1	0.1	-0.1
5.5-6.0 (High)	0.6	0.3	0.2	0.1	0.3	0.6	0.3	0.0	0.1	0.1	0.2	0.3	0.1	0.3	+0.2
Race/Ethnicity (2-year average): b															
White	0.3	0.3	0.3	0.3	0.4	0.6	0.5	0.3	0.2	0.3	0.3	0.2	0.1	0.1	0.0
African American	0.7	0.4	0.3	0.3	0.7	0.9	0.5	0.5	8.0	0.6	0.2	0.4	0.6	0.9	+0.3
Hispanic	0.9	0.7	0.4	0.3	0.5	0.6	0.2	0.3	0.6	0.7	0.4	0.3	0.4	0.4	+0.1

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on three of six forms; N is three sixths of N indicated in Table S3.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 55

HEROIN WITHOUT A NEEDLE: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 8</u>

				Pe	ercentage	who us	ed in last	12 mon	ths			
	1991– <u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	2003	2004	2005
Approximate weighted N =	_	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800
Total	_	8.0	1.0	8.0	0.8	0.9	0.7	0.6	0.6	0.6	0.6	0.5
Gender:												
Male	_	1.0	0.9	0.9	0.9	8.0	0.5	0.6	0.6	0.6	0.4	0.4
Female	_	0.6	0.9	0.7	8.0	8.0	8.0	0.6	0.7	0.6	0.7	0.5
College Plans:												
None or under 4 years	_	3.2	2.1	2.2	3.4	2.7	2.4	1.9	1.7	2.3	2.5	1.6
Complete 4 years	_	0.5	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4
Region:												
Northeast	_	0.9	1.1	8.0	0.7	0.7	0.6	0.7	0.3	0.5	0.6	0.5
Midwest	_	1.0	1.0	0.9	0.9	1.0	8.0	0.6	0.7	8.0	0.4	0.3
South	_	8.0	8.0	0.7	0.9	0.9	0.5	0.6	0.7	0.7	0.6	0.6
West	_	0.7	1.1	1.1	0.9	0.9	8.0	0.5	0.7	0.5	0.7	0.4
Population Density:												
Large MSA	_	0.9	1.0	0.6	0.5	8.0	0.7	0.5	0.6	0.6	0.7	0.4
Other MSA	_	8.0	1.0	0.9	1.0	8.0	0.8	8.0	0.5	0.6	0.6	0.5
Non-MSA	_	0.9	0.9	1.0	1.0	1.1	0.5	0.4	8.0	0.7	0.3	0.6
Parental Education: a												
1.0-2.0 (Low)	_	1.9	1.5	1.3	2.4	1.7	1.1	1.3	0.5	1.4	1.5	0.2
2.5–3.0	_	0.7	0.9	1.1	0.7	1.0	1.3	0.6	8.0	0.6	0.6	0.9
3.5–4.0	_	0.5	1.2	0.5	8.0	0.6	0.5	0.6	0.6	0.7	0.6	0.5
4.5–5.0	_	8.0	8.0	8.0	0.6	8.0	0.5	0.5	0.6	0.4	0.4	0.3
5.5-6.0 (High)	_	0.7	8.0	1.0	1.1	1.1	0.3	0.4	0.4	0.5	0.3	0.1
Race/Ethnicity (2-year average): b												
White	_	_	1.0	1.0	8.0	8.0	8.0	0.7	0.6	0.6	0.5	0.4
African American	_	_	0.2	0.2	0.4	0.5	0.3	0.3	0.3	0.3	0.5	0.4
Hispanic			1.5	1.2	1.1	1.4	1.1	8.0	1.0	1.0	1.0	0.9

TABLE 55 (cont.) **HEROIN WITHOUT A NEEDLE:** Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 8</u>

					Percer	ntage wh	o used in	last 12 ı	months						
	2006	2007	2008	2000	2040	2011	2042	2042	2014	2015	2016	2047	2018	2019	2018-2019
Approximate weighted N =		<u>2007</u> 16,100	<u>2008</u> 15.700	2009 15.000	2010 15.300	<u>2011</u> 16.000	2012 15.100	2013 14.600	2014 14.600	<u>2015</u> 14.400	2016 16.900	2017 15.300	<u>2018</u> 14.000	<u>2019</u> 13.600	<u>change</u>
Total	0.5	0.5	0.6	0.4	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.0
Gender:	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.2	0.2	0.2	0.0	0.2	0.2	0.0
Male	0.5	0.4	0.6	0.4	0.5	0.4	0.2	0.3	0.2	0.2	0.2	0.2	0.3	0.2	-0.1
Female	0.6	0.5	0.6	0.4	0.5	0.5	0.3	0.3	0.2	0.2	0.1	0.3	0.1	0.3	+0.1
College Plans:	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.2	0.2	0	0.0	0	0.0	
None or under 4 years	2.3	1.9	2.6	1.9	1.8	1.8	1.1	1.3	0.5	0.4	0.9	1.3	0.8	0.4	-0.4
Complete 4 years	0.4	0.3	0.4	0.2	0.4	0.3	0.2	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.0
Region:	•										•••				
Northeast	0.2	0.2	0.4	0.3	0.4	0.3	0.1	0.3	0.1	0.1	0.1	0.2	0.1	0.0	-0.1
Midwest	0.7	0.5	0.8	0.3	0.4	0.5	0.2	0.3	0.1	0.2	0.1	0.2	0.1	0.3	+0.2
South	0.6	0.4	0.7	0.3	0.5	0.4	0.3	0.4	0.2	0.3	0.3	0.2	0.3	0.3	0.0
West	0.5	0.7	0.5	0.7	0.6	0.5	0.4	0.3	0.4	0.0	0.1	0.5	0.4	0.2	-0.2
Population Density:															
Large MSA	0.4	0.3	8.0	0.3	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.4	0.1	-0.3 s
Other MSA	0.5	0.5	0.5	0.5	0.6	0.5	0.2	0.3	0.2	0.2	0.1	0.3	0.2	0.3	+0.1
Non-MSA	0.7	0.7	0.4	0.3	0.5	0.4	0.2	0.3	0.2	0.3	0.2	0.1	0.1	0.2	0.0
Parental Education: ^a															
1.0–2.0 (Low)	1.4	1.0	1.6	1.1	1.4	0.7	0.7	0.9	0.5	0.3	0.3	0.5	0.6	0.2	-0.4
2.5–3.0	0.6	0.4	8.0	0.4	0.6	1.0	0.4	0.4	0.2	0.2	0.3	0.3	0.4	0.2	-0.2
3.5–4.0	0.6	0.3	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.4	+0.2
4.5–5.0	0.4	0.7	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.0	0.1	0.0	0.0
5.5-6.0 (High)	0.3	0.3	8.0	0.2	0.5	0.2	0.1	0.4	0.2	0.0	0.0	0.2	0.1	0.4	+0.3
Race/Ethnicity (2-year average): b															
White	0.5	0.5	0.5	0.4	0.3	0.4	0.3	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.0
African American	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.3	+0.2
Hispanic	0.6	0.7	0.8	0.8	8.0	0.8	0.6	0.5	0.5	0.2	0.1	0.3	0.5	0.4	-0.1

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1995; N is one half of N indicated in Table S1. Data based on all forms beginning in 1996. Beginning in 2015 Heroin use with and without a needle were dropped in one form; data based on three of four forms; N is two thirds of N indicated.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 56
HEROIN WITHOUT A NEEDLE: Trends in Annual Prevalence of Use by Subgroups in Grade 10

				Pe	rcentage	who use	ed in last	12 mont	hs				
	1991–												
	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	
Approximate weighted N =	_	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	
Total	_	8.0	0.9	1.1	1.0	1.1	1.1	0.7	8.0	0.5	0.7	0.7	
Gender:													
Male	_	0.9	1.1	1.2	1.2	1.3	1.1	8.0	0.9	0.6	8.0	0.7	
Female	_	0.7	0.7	1.0	8.0	1.0	1.0	0.6	0.6	0.4	0.5	0.6	
College Plans:													
None or under 4 years	_	1.7	1.8	2.1	1.8	2.5	2.7	1.7	2.2	1.4	2.2	2.3	
Complete 4 years	_	0.6	0.7	1.0	0.9	8.0	8.0	0.5	0.6	0.4	0.5	0.4	
Region:													
Northeast	_	0.5	0.7	1.0	1.4	1.6	1.2	8.0	0.7	0.4	0.9	0.9	
Midwest	_	0.5	8.0	1.2	0.7	1.0	1.2	0.8	0.9	0.5	0.5	8.0	Table cor
South	_	1.1	1.1	1.2	1.0	1.0	1.3	0.7	0.5	0.7	0.7	0.6	
West	_	0.9	0.9	1.0	8.0	8.0	0.5	0.5	1.2	0.4	0.5	0.5	
Population Density:													
Large MSA	_	0.9	0.9	1.3	8.0	0.9	1.5	8.0	0.6	0.4	0.6	0.7	
Other MSA	_	0.7	1.0	1.0	1.1	1.2	1.0	0.7	8.0	0.6	8.0	0.7	
Non-MSA	_	0.9	0.7	1.1	1.0	1.2	0.9	0.7	1.0	0.6	0.5	0.6	
Parental Education: a													
1.0–2.0 (Low)	_	1.7	8.0	0.9	1.2	1.8	1.1	0.9	1.5	0.9	1.0	1.1	
2.5–3.0	_	0.6	0.7	1.0	1.0	1.1	1.1	0.9	0.7	0.7	0.7	0.9	
3.5–4.0	_	0.9	1.0	1.3	1.2	0.9	1.3	0.5	8.0	0.4	0.7	0.6	
4.5–5.0	_	0.5	8.0	1.1	1.0	1.0	1.0	0.6	0.5	0.5	0.5	0.6	
5.5–6.0 (High)	_	0.9	1.1	1.0	0.7	1.1	1.1	0.6	1.1	0.1	0.4	0.5	
Race/Ethnicity (2-year average): b													
White	_	_	0.9	1.0	1.1	1.1	1.2	1.0	8.0	0.7	0.6	0.7	
African American	_	_	0.1	0.1	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.3	
Hispanic	_	_	8.0	1.1	1.4	1.3	0.9	0.8	8.0	8.0	0.9	1.0	

TABLE 56 (cont.) **HEROIN WITHOUT A NEEDLE:** Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

					Percen	tage who	used in	last 12 r	nonths						
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2018-2019 <u>change</u>
Approximate weighted N =		16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	15,600	14,700	13,500	14,300	14,000	
Total	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.4	0.3	0.3	0.2	0.1	0.1	0.2	+0.1
Gender:															
Male	0.6	0.6	8.0	0.8	0.6	0.5	0.4	0.5	0.3	0.3	0.2	0.2	0.1	0.3	+0.1
Female	0.6	0.5	0.4	0.4	0.5	0.4	0.4	0.3	0.4	0.3	0.1	0.1	0.1	0.1	0.0
College Plans:															
None or under 4 years	2.0	1.1	1.6	2.0	2.2	1.6	1.8	1.2	1.3	1.2	0.7	0.4	0.4	0.3	-0.2
Complete 4 years	0.4	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	+0.1
Region:															
Northeast	8.0	0.7	0.6	0.5	0.5	0.6	0.3	0.4	0.2	0.4	0.1	0.2	0.1	0.1	0.0
Midwest	0.6	0.5	0.8	0.7	0.6	0.2	0.4	0.2	0.2	0.3	0.3	0.2	0.0	0.2	+0.1
South	0.6	0.6	0.6	0.4	0.5	0.6	0.5	0.3	0.5	0.3	0.1	0.1	0.2	0.2	0.0
West	0.5	0.5	0.4	8.0	0.6	0.5	0.5	0.6	0.3	0.3	0.1	0.1	0.1	0.3	+0.2
Population Density:															
Large MSA	0.5	0.7	0.5	0.4	0.6	0.5	0.5	0.3	0.3	0.2	0.2	0.1	0.1	0.2	+0.1
Other MSA	0.6	0.5	0.6	8.0	0.5	0.4	0.3	0.5	0.2	0.2	0.1	0.1	0.1	0.3	+0.2
Non-MSA	8.0	0.6	0.8	0.3	0.6	0.5	0.6	0.3	0.6	0.6	0.2	0.2	0.2	0.1	-0.1
Parental Education: ^a															
1.0-2.0 (Low)	1.2	0.9	1.1	1.1	0.9	0.7	1.3	0.5	0.3	8.0	0.4	0.2	0.1	0.1	0.0
2.5–3.0	0.6	0.6	0.4	0.6	0.5	0.7	0.6	0.7	0.4	0.2	0.1	0.1	0.0	0.3	+0.3
3.5–4.0	0.5	0.6	0.8	0.7	0.5	0.4	0.4	0.1	0.3	0.4	0.1	0.2	0.2	0.1	-0.1
4.5–5.0	0.5	0.5	0.5	0.3	0.6	0.3	0.3	0.2	0.3	0.1	0.1	0.0	0.0	0.1	+0.1
5.5-6.0 (High)	0.4	0.3	0.4	0.5	0.5	0.4	0.1	0.7	0.4	0.4	0.2	0.1	0.2	0.5	+0.2
Race/Ethnicity (2-year average): b															
White	0.7	0.5	0.5	0.6	0.6	0.5	0.4	0.3	0.3	0.3	0.2	0.1	0.1	0.2	+0.1
African American	0.4	0.3	0.4	0.3	0.2	0.5	0.6	0.5	0.4	0.4	0.1	0.0	0.1	0.0	0.0
Hispanic	0.9	8.0	0.7	0.7	0.7	0.7	0.6	0.5	0.3	0.3	0.2	0.2	0.2	0.1	0.0

tes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1995; N is one half of N indicated in Table S2. Data based on all forms beginning in 1996. Beginning in 2015 Heroin use with and without a needle were dropped in one form; data based on three of four forms; N is two thirds of N indicated.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 57 **HEROIN WITHOUT A NEEDLE:** Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

				Pe	ercentage	e who us	ed in last	12 mon	ths			
	1975– 1994	<u>1995</u>	<u>1996</u>	<u>1997</u>	1998	<u>1999</u>	2000	2001	2002	2003	2004	2005
Approximate weighted N =	_	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700
Total	_	1.0	1.0	1.2	8.0	1.0	1.6	8.0	8.0	8.0	0.7	8.0
Gender:												
Male	_	1.4	1.3	1.4	1.0	1.3	1.8	1.3	0.9	0.9	0.9	1.1
Female	_	0.7	0.7	0.9	0.7	8.0	1.5	0.4	0.7	0.7	0.4	0.5
College Plans:												
None or under 4 years	_	1.4	1.7	1.6	1.3	1.5	2.7	1.3	2.2	8.0	1.5	1.7
Complete 4 years	_	0.9	8.0	1.0	0.6	1.0	1.3	0.7	0.4	0.7	0.4	0.6
Region:												
Northeast	_	0.9	1.9	1.9	1.1	1.3	0.9	1.3	1.1	0.6	1.1	1.1
Midwest	_	0.7	0.5	1.0	0.6	0.7	1.6	1.1	0.9	0.7	0.4	0.7
South	_	1.4	0.9	1.1	1.1	1.2	1.8	0.3	0.9	1.2	0.5	0.7
West	_	8.0	0.7	0.6	0.3	1.0	2.0	0.9	0.4	0.3	1.0	0.7
Population Density:												
Large MSA	_	1.3	1.1	1.2	0.9	0.9	2.5	1.0	0.6	8.0	8.0	0.7
Other MSA	_	8.0	1.2	1.1	0.9	1.2	1.2	8.0	1.1	0.7	0.9	0.7
Non-MSA	_	1.0	0.4	1.2	0.4	8.0	1.4	0.7	0.6	1.0	0.2	1.0
Parental Education: a												
1.0-2.0 (Low)	_	1.0	8.0	1.7	0.5	2.0	2.7	1.5	1.8	1.0	1.1	1.1
2.5–3.0	_	1.1	0.6	8.0	1.1	1.1	1.8	0.5	0.9	0.9	8.0	1.0
3.5–4.0	_	0.9	1.1	1.3	0.9	8.0	1.7	8.0	1.0	0.7	0.6	0.9
4.5–5.0	_	1.2	1.2	1.2	8.0	1.1	1.6	1.1	0.2	8.0	0.7	0.5
5.5–6.0 (High)	_	0.6	1.0	1.0	0.5	1.0	0.6	8.0	8.0	0.7	0.3	0.5
Race/Ethnicity (2-year average): b												
White	_	_	1.1	1.3	1.2	1.1	1.4	1.3	1.0	8.0	0.7	0.6
African American	_	_	0.2	0.3	0.3	0.1	0.4	0.4	0.4	0.6	0.7	0.5
Hispanic			0.9	0.6	0.4	0.6	1.8	1.3	0.5	0.7	0.7	0.9

Table continued on next page.

TABLE 57 (cont.) **HEROIN WITHOUT A NEEDLE:** Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

					Percer	itage wh	o used in	last 12 r	nonths						
	0000	0007	0000	0000	0040	0044	0040	0040	0044	0045	0040	0047	0040	0040	2018-2019
Approximate weighted N =	2006 14 200	2007 14.500	2008 14.000	2009 13.700	2010 14.400	2011 14.100	2012 13.700	2013 12.600	2014 12,400	2015 12,900	2016 11.800	2017 12.600	2018 13.300	2019 12.900	<u>change</u>
Total	0.6	1.0	0.5	0.6	0.8	0.7	0.4	0.4	0.5	0.4	0.3	0.2	0.2	0.2	0.0
Gender:	0.0	1.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.2	0.2	0.2	0.0
Male	0.8	1.2	0.7	0.8	1.1	0.9	0.5	0.5	0.8	0.5	0.2	0.1	0.2	0.2	0.0
Female	0.3	0.6	0.3	0.4	0.4	0.5	0.2	0.3	0.2	0.1	0.3	0.2	0.1	0.1	0.0
College Plans:															
None or under 4 years	1.2	2.6	1.0	0.7	1.8	1.1	0.8	0.8	0.7	8.0	0.5	0.4	0.6	0.6	0.0
Complete 4 years	0.4	0.7	0.3	0.5	0.4	0.6	0.3	0.4	0.3	0.2	0.2	0.2	0.1	0.1	0.0
Region:															
Northeast	1.0	1.1	0.7	0.7	1.3	0.8	0.2	0.4	0.9	0.3	0.1	0.0	0.2	0.4	+0.2
Midwest	0.2	0.9	0.3	0.7	0.7	0.9	0.3	0.3	0.5	0.6	0.2	0.0	0.4	0.1	-0.3
South	0.7	1.0	0.3	0.6	0.7	0.4	0.1	0.4	0.3	0.3	0.3	0.4	0.2	0.3	+0.1
West	0.6	0.9	8.0	0.7	0.6	0.9	0.8	0.8	0.4	0.3	0.3	0.2	0.1	0.1	0.0
Population Density:															
Large MSA	0.8	0.9	0.5	0.7	1.1	0.8	0.2	0.2	0.4	0.3	0.3	0.1	0.3	0.4	+0.1
Other MSA	0.4	0.9	0.6	0.6	0.8	0.7	0.4	0.5	0.6	0.4	0.2	0.3	0.1	0.2	0.0
Non-MSA	0.5	1.2	0.3	0.5	0.5	0.4	0.5	0.6	0.2	0.4	0.3	0.2	0.4	0.3	-0.1
Parental Education: a															
1.0-2.0 (Low)	1.2	2.2	0.7	1.1	8.0	1.0	0.1	1.0	0.9	1.0	0.6	0.4	0.3	0.7	+0.3
2.5–3.0	0.5	0.9	0.5	0.7	0.9	0.4	0.5	0.7	0.3	0.4	0.2	0.1	0.4	0.2	-0.3
3.5-4.0	0.5	8.0	0.3	0.9	1.1	1.0	0.2	0.3	0.2	0.2	0.2	0.3	0.1	0.4	+0.3
4.5–5.0	0.4	8.0	0.6	0.3	0.5	0.7	0.5	0.3	0.7	0.3	0.1	0.1	0.1	0.1	0.0
5.5-6.0 (High)	0.7	0.7	0.6	0.2	0.5	0.4	0.2	0.3	0.5	0.3	0.3	0.2	0.2	0.1	-0.1
Race/Ethnicity (2-year average): b															
White	0.6	8.0	8.0	0.6	0.7	8.0	0.6	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0
African American	0.4	0.4	0.4	0.3	0.7	0.8	0.4	0.3	0.7	8.0	0.3	0.3	0.4	8.0	+0.4
Hispanic	1.0	1.1	0.7	0.4	0.6	0.7	0.3	0.3	0.6	0.6	0.4	0.2	0.2	0.2	0.0

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on three of six forms; N is three sixths of N indicated in Table S3.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 58

NARCOTICS OTHER THAN HEROIN: ^a Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

						Pe	rcentage	who us	ed in las	t 12 mor	iths					
	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>
Approximate weighted N =	9,400	-,	17,100	17,800	15,500	-,	,	,	16,300	-,	16,000	15,200	16,300	16,300	16,700	-,
Total	5.7	5.7	6.4	6.0	6.2	6.3	5.9	5.3	5.1	5.2	5.9	5.2	5.3	4.6	4.4	4.5
Gender:																
Male	6.6	6.8	7.3	6.9	7.3	7.1	6.5	6.0	6.0	6.2	6.8	5.9	5.6	5.1	4.9	5.0
Female	4.8	4.7	5.4	5.1	5.1	5.4	5.3	4.6	4.2	4.2	5.1	4.6	4.9	4.1	3.8	3.9
College Plans:																
None or under 4 years	_	6.8	8.0	6.8	7.3	7.4	7.2	6.1	6.1	6.1	6.6	6.7	6.1	4.8	5.3	5.7
Complete 4 years	_	4.6	4.7	4.9	5.0	5.1	4.8	4.6	4.3	4.3	5.4	4.3	4.8	4.6	3.9	4.0
Region:																
Northeast	6.1	6.5	6.6	6.8	7.0	5.7	7.2	5.6	5.6	6.7	7.3	5.7	6.0	3.7	4.7	4.1
Midwest	6.2	6.2	7.5	6.7	6.1	7.6	6.2	5.5	5.3	4.8	6.3	5.8	5.2	4.4	5.7	4.6
South	4.9	5.0	5.2	4.5	5.2	5.0	4.1	4.5	4.4	4.5	3.8	4.2	4.3	4.7	3.2	4.1
West	5.4	5.0	6.0	6.7	7.1	6.8	7.2	6.2	5.2	5.3	7.1	5.4	6.1	5.7	4.9	5.3
Population Density:																
Large MSA	7.3	6.7	6.7	6.9	7.3	6.9	6.9	5.2	6.0	5.2	6.0	4.8	5.2	4.0	4.1	3.8
Other MSA	5.5	6.1	6.3	5.9	6.3	7.0	6.3	5.7	5.3	5.1	6.4	5.6	5.3	5.2	4.9	4.6
Non-MSA	4.8	4.6	6.2	5.4	5.3	4.8	4.8	4.9	4.1	5.2	5.2	5.0	5.2	4.4	3.8	4.8
Parental Education: ^b																
1.0-2.0 (Low)	5.4	5.0	5.1	5.0	5.2	5.2	4.8	4.8	4.8	4.7	4.5	4.7	4.1	3.9	3.6	3.8
2.5–3.0	5.1	5.9	6.4	6.2	5.9	5.8	5.6	4.9	5.0	5.2	5.5	5.0	4.4	4.3	4.0	4.1
3.5–4.0	4.2	6.3	6.7	6.0	6.3	6.9	6.6	5.2	4.5	5.1	6.5	6.0	5.6	4.3	4.6	4.6
4.5–5.0	6.4	6.3	6.6	6.4	6.7	7.0	6.3	6.4	6.0	5.6	6.4	4.8	5.4	5.4	4.2	4.7
5.5-6.0 (High)	6.5	6.5	7.9	6.1	7.8	6.8	6.8	7.1	5.3	4.9	6.8	5.4	7.8	5.6	6.4	5.7
Race/Ethnicity (2-year average): c																
White	_	_	6.6	6.7	6.6	6.8	6.7	6.2	5.8	5.7	6.3	6.3	6.0	5.8	5.3	5.2
African American	_	_	2.2	2.0	1.8	1.7	1.9	1.8	1.7	1.6	1.6	1.7	1.6	1.5	1.5	1.4
Hispanic	_	_	3.8	3.5	3.5	3.7	4.3	4.1	4.0	4.2	3.6	3.0	2.4	2.2	2.5	2.4

Table continued on next page.

TABLE 58 (cont.)

NARCOTICS OTHER THAN HEROIN: ^a Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

						Pe	ercentage	e who us	ed in las	t 12 mor	nths						
Approximate weighted N =	1991 : 15,000	<u>1992</u> 15,800	<u>1993</u> 16,300	<u>1994</u> 15,400	<u>1995</u> 15,400	<u>1996</u> 14,300	<u>1997</u> 15,400	<u>1998</u> 15,200	<u>1999</u> 13,600	2000 12,800	2001 12,800	2002 ^d 12,900	2003 ^d 14,600	2004 14,600	2005 14,700	2006 14,200	
Total	3.5	3.3	3.6	3.8	4.7	5.4	6.2	6.3	6.7	7.0	6.7‡	9.4	9.3	9.5	9.0	9.0	
Gender:																	
Male	3.9	3.3	3.6	4.3	5.6	6.4	7.1	7.4	8.2	8.0	8.0‡	11.6	10.7	10.9	10.7	10.3	
Female	3.1	3.3	3.3	3.4	3.8	4.4	5.4	5.1	5.2	5.9	5.6‡	7.4	7.8	8.1	7.4	7.8	
College Plans:																	
None or under 4 years	3.8	4.3	4.2	4.9	5.6	7.0	8.2	8.4	7.0	7.8	7.5‡	12.4	12.3	12.4	12.2	12.4	
Complete 4 years	3.5	3.0	3.3	3.5	4.4	4.9	5.7	5.5	6.6	6.6	6.4‡	8.8	8.4	8.7	8.3	8.1	
Region:																	
Northeast	3.2	3.7	4.6	3.5	4.3	6.1	7.8	6.5	6.2	6.7	7.2‡	10.6	9.3	9.9	8.3	10.1	
Midwest	4.2	3.6	3.2	4.7	5.2	6.0	6.1	6.5	7.5	7.2	7.8‡	8.8	9.1	8.7	10.7	9.9	Tabl
South	2.7	2.7	3.2	3.8	4.5	5.1	6.1	6.5	7.5	6.6	5.7‡	9.3	8.0	9.1	8.6	7.9	
West	4.4	3.5	4.0	3.1	4.7	4.1	4.7	5.2	4.7	7.5	6.5‡	9.5	11.4	11.1	8.3	8.9	
Population Density:																	
Large MSA	3.3	3.5	3.1	4.1	4.8	4.6	4.6	5.2	5.4	7.0	8.4‡	8.9	7.4	8.1	8.4	8.1	
Other MSA	3.9	3.1	3.7	3.7	4.7	5.4	7.2	6.8	7.4	7.2	5.6‡	10.3	10.3	10.7	9.3	9.0	
Non-MSA	3.1	3.6	3.7	3.6	4.7	6.0	6.0	6.5	6.8	6.6	6.9‡	8.5	9.7	8.9	9.1	10.4	
Parental Education: ^b																	
1.0-2.0 (Low)	3.8	3.5	3.8	3.0	4.0	4.5	4.7	4.7	4.6	4.6	5.1‡	6.2	7.9	6.8	5.2	6.1	
2.5–3.0	3.2	3.5	2.9	3.8	4.2	5.6	5.3	5.9	5.9	6.4	6.4‡	8.9	9.3	8.8	9.5	9.5	
3.5-4.0	3.7	3.2	3.7	3.4	4.4	5.5	6.5	6.8	7.2	7.3	7.1‡	10.4	9.8	10.8	10.5	10.3	
4.5–5.0	3.6	3.4	3.7	4.3	5.5	5.4	6.8	6.2	7.4	7.9	7.0‡	10.3	9.5	10.5	9.3	9.1	
5.5-6.0 (High)	4.1	3.2	4.5	4.8	5.5	5.6	7.6	6.6	7.4	7.5	7.0‡	8.7	8.8	8.8	7.6	8.0	
Race/Ethnicity (2-year average): c																	
White	4.7	4.1	4.1	4.3	5.0	5.9	7.1	7.6	7.7	8.3	8.5	10.3‡	10.2 ^f	11.2	11.2	11.2	
African American	1.1	0.9	1.0	1.5	1.4	1.2	1.8	2.4	2.0	1.7	1.8	1.9‡	2.1 ^f	2.7	2.5	2.4	
Hispanic	2.3	2.1	2.3	2.2	2.5	3.7	3.1	2.8	3.6	4.6	4.5	4.3‡	5.2 ^f	5.5	5.3	5.0	

Γable continued on next page.

TABLE 58 (cont.)

NARCOTICS OTHER THAN HEROIN: ^a Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

					Percen	tage who	o used ir	last 12	months					
	2007 ^e	2008	2009	2010	2011	2012	2013 ⁹	2014	2015	2016	2017	2018	2019	2018-2019 <u>change</u>
Approximate weighted N =		14,000		14,400	14,100			12,400	12,900	11,800	12,600	13,300	12,900	change
Total	9.2	9.1	9.2	8.7	8.7	7.9	7.1	6.1	5.4	4.8	4.2	3.4	2.7	-0.7 ss
Gender:														
Male	10.9	10.6	10.7	9.9	9.6	9.3	8.4	7.2	6.1	5.6	5.3	4.4	3.4	-1.0 s
Female	7.6	7.9	7.9	7.4	7.8	6.5	5.6	5.0	4.6	3.8	3.2	2.2	1.8	-0.4
College Plans:														
None or under 4 years	12.9	13.1	11.0	12.3	13.2	9.7	10.1	7.3	6.8	4.9	6.0	4.6	3.7	-0.9
Complete 4 years	8.3	8.3	8.8	7.8	7.8	7.4	6.3	5.8	5.0	4.6	3.8	3.0	2.3	-0.7 s
Region:														
Northeast	9.3	9.7	9.3	9.2	8.3	6.3	7.1	4.0	3.9	3.1	3.0	2.8	1.6	-1.2 ss
Midwest	10.5	10.0	11.6	9.0	9.7	9.1	6.8	6.3	5.0	5.6	3.7	3.5	2.5	-1.0 s
South	8.3	8.3	8.0	8.4	7.3	6.1	7.1	6.4	5.5	4.8	4.9	3.2	2.8	-0.4
West	9.2	9.0	8.2	8.4	10.2	10.0	7.4	7.1	6.6	5.0	4.5	4.0	3.6	-0.4
Population Density:														
Large MSA	7.9	7.9	7.9	8.8	7.6	8.4	6.4	4.6	4.2	4.4	3.4	2.8	2.5	-0.3
Other MSA	9.3	9.0	9.4	9.0	9.0	7.4	7.9	7.4	5.9	5.0	4.6	3.6	2.8	-0.8
Non-MSA	10.7	10.7	10.6	7.7	9.6	8.3	6.1	4.8	6.1	4.7	4.9	4.0	2.6	-1.4 s
Parental Education: b														
1.0-2.0 (Low)	7.1	7.1	6.1	5.2	6.6	7.2	5.5	5.8	5.7	4.0	3.3	3.2	2.8	-0.4
2.5–3.0	8.8	9.2	9.9	9.4	8.5	9.0	7.6	6.8	4.7	4.0	5.1	3.9	2.9	-1.1
3.5–4.0	9.5	9.9	9.9	10.0	10.1	8.4	8.3	6.1	6.1	5.1	4.6	3.7	2.9	-0.8
4.5–5.0	9.9	9.0	9.9	8.1	8.1	8.0	6.6	5.8	5.3	5.2	3.7	3.1	2.2	-0.9
5.5–6.0 (High)	9.5	9.7	8.2	8.3	9.2	6.0	6.2	6.3	5.7	5.7	4.6	3.1	2.7	-0.4
Race/Ethnicity (2-year average): c														
White	11.5	11.7	11.7	11.1	10.6	10.0	8.5	7.0	6.0	5.6	5.0	4.2	3.3	-1.0 sss
African American	2.6	2.7	2.8	4.0	4.1	3.4	4.0	4.7	4.6	3.7	3.2	2.8	1.7	-1.1 ss
Hispanic	4.5	4.2	4.7	5.1	5.4	5.5	5.7	5.4	4.1	3.9	3.8	2.9	2.5	-0.5

Notes. '‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

[°]To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^dIn 2002 the question text was changed in half of the questionnaire forms. In the list of examples of narcotics other than heroin, Talwin, laudanum, and paregoric were replaced with Vicodin, OxyContin, and Percocet. The 2002 data presented here are based on the changed forms only; N is one half of N indicated. In 2003 the remaining forms were changed to the new wording. Beginning in 2003, the data are based on all forms.

 $^{^{\}rm e}\text{ln}$ 2007, in the list of narcotics other than heroin, Dilaudid was replaced with Ultram.

¹The 2003 data comprise half of the 2002 sample data double-weighted and all of the 2003 sample data.

⁹In 2013 the list of examples was changed on one form: MS Contin, Roxycodone, Hydrocodone (Lortab, Lorcet, Norco), Suboxone, Tylox, and Tramadol were added to the list. An examination of the data did not show any effect from the wording change.

TABLE 59

OXYCONTIN: ^a Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 8</u>

								Perce	ntage wh	o used ir	n last 12	months								2018–
	1991-	0000	0000	0004	0005	0000	0007	0000	0000	0040	0044	0040	0040	2011	0045	0040	0047	0040	0040	2019
Approximate weighted N =	<u>2001</u>	2002 15.100	2003 16.500	2004 17.000	2005 16.800	2006 16.500	2007 16.100	2008 15.700	2009 15.000	2010 15.300	2011 16.000	2012 15.100	2013 14.600	2014 14.600	2015 14.400	2016 16.900	2017 15.300	2018 14.000	2019 13,600	<u>change</u>
Approximate weighted N =	_	1.3	1.7	1.7	1.8	2.6	1.8	2.1	2.0	2.1	1.8	1.6	2.0	1.0	0.8	0.9	0.8	0.8	1.2	+0.5
Gender:	_	1.3	1.7	1.7	1.0	2.0	1.0	2.1	2.0	2.1	1.0	1.0	2.0	1.0	0.0	0.9	0.0	0.0	1.2	+0.5
Male	_	1.9	1.6	1.8	1.9	2.8	1.7	2.3	2.7	2.1	1.7	1.8	1.8	0.9	1.2	1.2	1.0	0.8	1.4	+0.6
Female	_	0.9	1.7	1.6	1.7	2.2	2.0	1.8	1.4	2.1	1.7	1.2	2.2	1.2	0.6	0.7	0.6	0.7	1.0	+0.0
College Plans:	_	0.9	1.7	1.0	1.7	2.2	2.0	1.0	1.4	2.2	1.0	1.2	2.2	1.2	0.0	0.7	0.0	0.7	1.0	+0.5
•		4.3	7.5	6.9	6.8	8.8	5.1	6.1	8.4	6.4	7.7	8.2	7.6	3.8	3.4	3.3	3.2	2.5	3.8	+1.3
None or under 4 years	_																			
Complete 4 years	_	1.0	1.1	1.2	1.2	1.9	1.5	1.8	1.6	1.8	1.3	1.1	1.6	8.0	0.6	0.7	0.6	0.5	0.9	+0.3
Region:		4.0	4.0	4.4	4 7	4.0		0.0	4.0	4.0	4.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.5	0.4
Northeast	_	1.0	1.2	1.1	1.7	1.6	1.1	0.8	1.2	1.6	1.3	0.8	3.0	8.0	0.3	0.5	0.2	0.6	0.5	-0.1
Midwest	_	1.7	1.7	1.3	2.4	3.2	2.0	1.4	2.2	2.2	1.9	0.9	1.0	0.6	0.4	0.8	0.7	0.2	0.8	+0.5
South	_	1.5	2.1	2.2	2.0	2.4	2.0	2.9	2.1	2.5	1.8	2.6	1.9	1.1	1.4	1.2	0.9	0.9	1.8	+0.9
West	_	0.9	1.3	1.8	1.0	3.1	1.6	2.3	2.2	1.8	2.2	1.0	2.4	1.5	0.7	0.7	1.2	1.2	1.3	+0.1
Population Density:																				
Large MSA	_	1.2	1.1	0.9	1.1	1.3	0.9	1.7	0.7	1.3	8.0	1.8	1.4	8.0	0.6	0.9	0.5	8.0	1.4	+0.6
Other MSA	_	1.4	1.7	2.6	2.3	3.1	2.2	2.2	2.3	2.3	2.7	1.3	2.0	1.2	1.3	0.8	1.0	0.9	1.2	+0.4
Non-MSA	_	1.5	2.5	1.1	1.8	3.2	2.3	2.6	2.8	2.9	1.5	1.7	2.7	0.9	0.3	1.0	0.7	0.4	0.9	+0.5
Parental Education: ^b																				
1.0–2.0 (Low)	_	2.9	4.0	3.5	3.7	3.6	2.0	4.0	6.1	3.0	3.8	1.4	1.9	1.6	1.2	1.9	2.5	0.8	4.3	+3.5 s
2.5–3.0	_	2.0	2.3	2.1	2.9	3.4	2.2	2.3	2.1	2.7	2.6	2.7	1.7	1.3	1.1	1.2	0.3	0.7	2.1	+1.4
3.5–4.0	_	1.0	1.9	2.2	2.5	2.4	2.2	2.3	1.7	2.5	2.4	1.2	3.0	1.0	0.9	1.0	1.2	0.6	0.9	+0.4
4.5–5.0	_	0.9	0.7	1.3	0.7	2.0	1.6	1.7	1.7	1.3	1.1	1.2	1.9	1.0	0.7	0.5	0.4	1.1	0.5	-0.6
5.5-6.0 (High)	_	1.3	1.6	0.7	8.0	2.2	8.0	1.7	1.0	1.1	0.5	1.4	1.4	0.5	0.3	0.5	0.6	0.3	0.4	+0.1
Race/Ethnicity (2-year average): c																				
White	_	_	1.6	1.7	1.7	2.3	2.5	2.3	2.2	2.1	1.9	1.5	1.3	1.2	1.1	0.7	0.5	0.6	0.7	+0.1
African American	_	_	0.9	0.6	1.0	1.4	1.2	1.4	1.6	1.5	1.3	1.5	1.8	1.0	0.6	1.5	1.8	1.4	1.6	+0.2
Hispanic	-	_	1.3	2.8	2.6	2.4	2.3	1.5	1.8	2.2	2.6	2.1	1.9	1.9	1.0	1.0	0.9	0.7	1.3	+0.5

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table S1.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

See appendix B for details on how race/ethnicity is defined.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

TABLE 60

OXYCONTIN: ^a Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

								Percei	ntage wh	o used ir	last 12	months								2018–
	1991–																			2019
	2001	2002	2003	2004	<u>2005</u>	2006	2007	2008	2009	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>
Approximate weighted N =	_	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	15,600	14,700	13,500	14,300	14,000	
Total	_	3.0	3.6	3.5	3.2	3.8	3.9	3.6	5.1	4.6	3.9	3.0	3.4	3.0	2.6	2.1	2.2	2.2	2.0	-0.1
Gender:																				
Male	_	3.6	4.3	3.8	3.4	3.7	4.2	3.8	5.6	4.9	3.8	3.2	4.7	2.8	2.9	2.1	1.9	2.5	2.8	+0.3
Female	_	2.4	2.9	3.1	3.0	4.0	3.5	3.5	4.5	4.1	4.0	2.8	2.2	2.8	2.3	2.1	2.4	1.7	1.3	-0.4
College Plans:																				
None or under 4 years	_	6.5	10.8	7.2	8.0	11.0	8.8	10.2	12.6	13.9	11.8	9.1	6.1	6.9	7.5	6.5	4.6	3.7	3.2	-0.5
Complete 4 years	_	2.5	2.5	3.0	2.6	2.9	3.2	2.9	4.2	3.5	2.9	2.4	3.1	2.5	2.1	1.7	1.9	1.9	1.8	0.0
Region:																				
Northeast	_	3.6	3.7	4.6	3.8	3.1	2.8	3.2	3.6	4.4	4.5	3.0	3.1	1.0	2.4	1.3	1.2	1.6	1.1	-0.5
Midwest	_	2.1	2.9	2.5	3.5	4.1	4.3	3.9	5.8	4.9	4.2	2.0	4.2	2.3	2.7	1.9	1.8	1.9	1.3	-0.5
South	_	3.7	4.2	4.8	3.6	4.4	4.7	4.1	5.4	4.8	4.0	3.5	2.7	3.6	2.5	2.6	3.0	2.1	2.1	0.0
West	_	2.6	3.5	1.9	1.6	3.3	3.3	3.0	5.2	4.2	2.9	3.4	3.7	4.2	3.0	2.4	2.1	3.1	3.2	+0.1
Population Density:																				
Large MSA	_	2.0	2.3	2.1	2.8	3.4	3.5	2.5	4.5	4.2	2.9	2.3	3.2	2.6	2.0	1.5	1.9	2.3	0.8	-1.5 s
Other MSA	_	3.3	3.6	3.7	2.7	3.3	3.5	4.1	5.8	4.3	3.6	2.6	3.4	2.5	2.8	2.0	2.1	2.1	2.6	+0.5
Non-MSA	_	3.7	5.7	5.1	4.9	5.8	5.4	4.1	4.4	5.7	5.7	4.9	3.6	4.7	3.2	3.6	2.9	2.2	2.6	+0.4
Parental Education: b																				
1.0–2.0 (Low)	_	6.5	5.9	3.7	3.3	6.9	3.9	3.1	6.5	7.9	5.5	4.4	5.2	2.5	4.3	1.4	2.3	5.5	1.4	-4.0 ss
2.5–3.0	_	3.8	3.9	4.0	4.8	5.3	5.9	5.1	6.7	6.9	5.4	4.1	4.4	3.1	2.8	2.3	2.7	3.7	2.0	-1.7
3.5-4.0	_	2.0	4.1	4.1	3.0	4.3	3.5	3.6	5.5	4.0	4.3	3.9	3.2	3.8	4.0	2.8	2.3	1.4	2.9	+1.6
4.5–5.0	_	1.7	2.9	2.6	2.6	2.3	3.4	3.2	3.9	2.9	2.4	1.7	2.7	2.4	1.6	1.9	2.6	1.2	1.8	+0.6
5.5-6.0 (High)	_	4.4	2.8	2.8	2.6	2.4	2.8	3.5	4.6	3.6	3.2	2.2	2.8	2.1	1.7	1.9	0.9	0.8	2.1	+1.3
Race/Ethnicity (2-year average): °																				
White	_	_	3.6	4.1	4.1	4.1	4.6	4.7	5.0	5.3	4.4	3.5	3.5	3.6	3.0	2.7	2.3	1.7	1.7	0.0
African American	_	_	2.3	2.0	1.1	1.5	1.8	1.5	1.7	2.4	2.9	1.8	1.5	2.1	2.4	1.7	1.6	1.6	1.8	+0.2
Hispanic			2.5	2.9	2.3	1.8	1.9	1.8	2.9	4.0	4.4	3.6	1.9	1.9	2.0	1.7	2.2	4.0	3.1	-0.8

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of four forms; N is one third of N indicated in Table S2.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

See appendix B for details on how race/ethnicity is defined.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

TABLE 61

OXYCONTIN: ^a Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

									Percer	itage wh	o used in	last 12 i	months								2018–
		1975–																			2019
		2001	2002	2003	2004	2005	2006	2007	2008	2009	<u>2010</u>	<u>2011</u>	2012	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	2019	<u>change</u>
Approximate we	ighted N =	_	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total		_	4.0	4.5	5.0	5.5	4.3	5.2	4.7	4.9	5.1	4.9	4.3	3.6	3.3	3.7	3.4	2.7	2.3	1.7	-0.6
Gender:																					
Male		_	5.6	6.2	6.1	7.4	5.3	6.3	5.3	6.5	5.9	5.9	5.1	4.7	4.3	4.2	3.6	3.4	2.4	2.3	-0.1
Female		_	2.6	2.8	3.4	3.5	2.9	4.0	4.0	3.4	3.8	3.8	3.1	2.5	2.2	3.0	2.6	1.8	1.7	1.0	-0.6
College Plans:																					
None or under 4 years		_	7.0	8.8	8.2	9.9	7.4	7.8	7.6	6.7	10.2	9.7	5.2	6.0	4.5	4.3	5.3	4.5	3.8	3.5	-0.3
Complete 4 years		_	3.2	3.1	3.8	4.3	3.3	4.5	4.1	4.5	3.9	3.9	4.0	2.8	2.9	3.4	2.9	2.1	1.7	1.2	-0.5
Region:																					
Northeast		_	5.0	5.5	4.6	6.0	5.5	5.5	4.6	5.0	6.3	4.4	3.6	3.6	3.1	2.8	2.1	2.0	1.3	0.7	-0.6
Midwest		_	5.0	4.5	4.2	6.0	4.3	5.1	4.4	5.4	5.0	4.3	4.5	3.0	3.4	3.8	3.6	2.1	2.0	1.4	-0.6
South		_	3.6	4.0	5.9	6.3	4.0	5.2	4.9	4.3	4.8	5.0	4.3	4.1	4.4	3.6	3.6	3.1	2.8	2.1	-0.7
West		_	2.6	4.4	4.7	3.0	3.6	5.1	4.9	5.0	4.7	5.9	4.5	3.3	1.6	4.2	3.7	3.1	2.5	2.2	-0.2
Population Density:																					
Large MSA		_	3.7	2.8	4.6	4.8	4.4	4.2	3.9	4.2	5.4	3.9	4.6	2.8	3.6	2.6	3.7	2.0	2.5	1.3	-1.2 ss
Other MSA			3.8	5.3	5.2	5.1	3.6	5.4	5.0	5.2	4.8	5.2	4.0	4.2	3.4	4.3	3.6	3.4	2.0	1.8	-0.2
Non-MSA		_	4.7	5.2	4.9	7.1	5.4	6.2	5.1	5.2	5.3	6.0	4.6	3.1	2.7	3.9	2.7	2.5	2.6	2.3	-0.4
Parental Education: ^b																					
1.0–2.0 (Low)		_	6.3	6.9	3.7	5.5	4.2	4.4	3.8	4.9	4.9	3.4	4.3	6.0	3.6	3.2	4.2	3.7	2.6	3.3	+0.7
2.5–3.0		_	5.3	6.8	4.8	6.3	4.4	5.6	4.5	4.6	5.5	4.8	4.2	3.4	3.0	3.3	2.9	3.4	3.0	1.9	-1.1
3.5-4.0		_	3.9	3.4	6.5	6.3	5.1	5.0	6.0	5.8	5.4	5.7	4.6	3.4	3.4	3.4	2.4	2.8	2.2	1.7	-0.5
4.5–5.0		_	2.2	3.6	3.1	4.2	3.4	5.3	4.3	4.8	4.2	4.4	4.4	3.5	2.8	3.9	3.6	1.6	1.6	1.3	-0.2
5.5-6.0 (High)			4.0	2.5	4.3	4.8	3.5	4.3	3.8	4.1	4.7	5.0	3.5	2.2	4.1	4.3	5.0	2.8	1.3	8.0	-0.6
Race/Ethnicity (2-year average):	С																				
White		_	_	4.7	5.1	5.8	5.4	5.5	6.0	5.8	5.7	5.8	5.2	4.0	3.3	3.7	3.7	3.0	2.5	1.9	-0.6 s
African American		_	_	2.5	2.4	2.0	2.2	2.4	2.1	2.0	3.1	3.2	2.8	3.4	4.0	3.9	3.3	2.5	1.7	1.3	-0.4
Hispanic		_	_	2.5	2.2	3.0	3.7	3.2	2.1	2.9	3.5	3.0	3.2	3.4	2.7	2.1	2.9	3.3	2.1	1.6	-0.5

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on two of six forms in 2002–2005; N is two sixths of N indicated in Table S3. Data based on three of six forms beginning in 2006; N is three sixths of N indicated in Table S3.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 62
VICODIN: ^a Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 8</u>

								Percer	ntage wh	o used ir	ı last 12	months								
	1991-	0000	0000	0004	0005	0000	0007	0000	0000	0040	0044	0040	0040	0044	0045	0040	0047	0040	0040	2018– 2019
Approximate weighted N =	<u>2001</u>	2002 15,100	2003 16.500	2004 17.000	2005 16,800	2006 16,500	2007 16,100	2008 15,700	2009 15,000	2010 15,300	2011 16,000	2012 15,100	2013 14,600	2014 14,600	2015 14,400	2016 16,900	2017 15,300	2018 14,000	2019 13,600	<u>change</u>
Total	_	2.5	2.8	2.5	2.6	3.0	2.7	2.9	2.5	2.7	2.1	1.3	1.4	1.0	0.9	0.8	0.7	0.6	0.9	+0.3
Gender:																	•			
Male	_	2.7	2.8	2.4	2.9	2.6	2.1	2.9	3.0	2.8	2.1	0.8	1.1	0.9	0.8	1.2	0.9	0.8	1.2	+0.4
Female	_	2.4	2.8	2.6	2.2	3.4	3.2	2.7	2.2	2.6	1.9	1.7	1.6	1.1	1.0	0.5	0.4	0.3	0.7	+0.4
College Plans:																				
None or under 4 years	_	5.9	6.3	7.1	7.3	9.5	8.1	7.0	6.5	7.2	6.4	3.0	4.0	1.9	2.2	2.9	2.7	1.9	2.3	+0.3
Complete 4 years	_	2.1	2.4	2.0	1.9	2.4	2.1	2.5	2.3	2.2	1.8	1.2	1.2	0.9	0.7	0.6	0.4	0.4	0.7	+0.3
Region:																				
Northeast	_	1.5	1.1	1.0	1.5	1.9	1.4	1.0	1.8	2.8	1.7	0.7	1.6	0.3	0.3	0.6	0.1	0.5	0.5	-0.1
Midwest	_	3.3	3.9	3.2	3.3	3.9	3.6	3.1	3.5	3.4	2.8	1.8	1.0	1.4	1.0	8.0	1.0	0.0	0.9	+0.9
South	_	2.5	2.1	2.1	2.3	2.2	2.1	2.9	1.7	1.8	1.5	1.5	1.1	0.6	1.0	0.9	0.5	8.0	1.2	+0.4
West	_	2.6	4.2	3.6	3.1	4.4	3.5	3.7	3.3	3.2	3.0	1.1	2.0	1.8	1.0	1.0	0.9	8.0	8.0	-0.1
Population Density:																				
Large MSA	_	2.6	2.4	1.8	2.5	2.4	1.6	2.7	1.9	1.8	1.2	1.8	1.3	8.0	0.7	0.9	0.4	0.6	1.4	+0.8
Other MSA	_	3.0	3.1	3.0	2.6	3.3	3.4	3.0	2.6	3.2	2.7	1.0	1.4	1.2	1.2	8.0	1.0	0.6	8.0	+0.3
Non-MSA	_	1.6	2.5	2.4	2.6	3.3	2.8	2.8	3.2	2.8	2.4	1.6	1.5	1.0	0.4	0.9	0.2	0.5	0.4	-0.1
Parental Education: ^b																				
1.0–2.0 (Low)	_	3.3	3.3	4.9	3.9	4.8	3.1	3.4	5.4	3.9	4.0	1.7	1.7	1.5	2.8	1.7	1.4	0.6	2.2	+1.7 s
2.5–3.0	_	3.9	3.4	4.1	3.8	4.0	3.0	3.3	3.8	3.3	3.0	1.2	1.1	0.9	1.1	0.7	0.5	0.1	1.3	+1.2 s
3.5–4.0	_	3.4	2.9	3.2	2.9	2.7	3.1	2.8	2.5	1.6	2.8	1.3	2.3	1.5	0.6	1.1	0.6	0.6	0.6	0.0
4.5–5.0	_	1.4	2.1	1.1	1.9	2.6	2.4	3.2	1.5	2.7	1.4	1.3	1.4	8.0	0.3	0.7	0.4	0.5	0.7	+0.2
5.5–6.0 (High)	_	1.3	2.1	0.9	1.6	2.2	1.8	2.3	2.1	2.7	0.9	1.0	8.0	8.0	0.3	0.3	0.4	0.5	0.6	+0.1
Race/Ethnicity (2-year average): °																				
White	_	_	3.0	2.7	2.4	2.9	3.2	3.2	2.8	2.6	2.5	1.8	1.2	0.9	0.7	0.7	0.6	0.4	0.3	-0.1
African American	_	_	1.4	1.4	1.6	1.7	1.6	1.6	1.9	2.0	1.3	1.2	1.3	0.9	0.5	1.0	1.1	1.5	1.8	+0.3
Hispanic		_	2.1	3.3	3.6	2.8	2.6	2.1	2.5	3.0	2.8	2.1	1.9	1.8	1.2	8.0	0.6	0.5	0.7	+0.2

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01. '--' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table S1.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

[°]To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 63
VICODIN: ^a Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

								Percer	ntage wh	o used ir	last 12	months								
	1991– 2001	2002	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	2007	2008	2009	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	2018– 2019 <u>change</u>
Approximate weighted N =	_	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	15,600	14,700	13,500	14,300	14,000	
Total	_	6.9	7.2	6.2	5.9	7.0	7.2	6.7	8.1	7.7	5.9	4.4	4.6	3.4	2.5	1.7	1.5	1.1	1.1	-0.1
Gender:																				
Male	_	7.4	8.4	6.2	5.5	7.0	7.5	7.1	9.2	8.1	6.0	4.5	5.1	2.9	2.7	1.8	1.4	1.4	1.3	-0.1
Female	_	6.1	6.1	6.0	6.2	6.9	6.8	6.4	7.0	7.0	5.8	4.4	4.1	3.9	2.2	1.8	1.5	0.7	8.0	0.0
College Plans:																				
None or under 4 years	_	13.4	15.8	11.6	13.2	17.2	15.2	16.5	17.6	16.9	14.1	8.8	9.3	7.1	7.8	4.9	3.7	3.0	1.4	-1.6
Complete 4 years	_	5.7	5.8	5.4	4.8	5.6	6.1	5.6	7.1	6.5	4.9	4.0	4.1	3.0	2.0	1.4	1.2	8.0	1.0	+0.2
Region:																				
Northeast	_	6.2	5.6	6.4	5.7	4.9	6.5	5.3	5.1	5.6	4.6	3.3	3.5	2.4	1.9	1.8	1.0	8.0	0.5	-0.2
Midwest	_	7.2	9.4	6.4	7.1	8.7	8.8	8.4	10.5	9.3	8.1	4.6	5.8	4.4	2.9	2.6	1.3	1.6	8.0	-0.8
South	_	5.3	5.0	5.0	5.0	4.2	4.5	5.2	5.6	6.0	4.3	3.4	3.1	2.7	1.8	0.7	1.5	0.7	1.1	+0.4
West	_	10.0	9.1	7.1	5.8	11.1	9.4	7.9	12.1	10.1	6.6	6.6	6.0	4.4	3.9	2.4	1.9	1.6	1.5	-0.1
Population Density:																				
Large MSA	_	5.7	7.1	4.8	6.5	6.1	6.8	6.2	7.7	7.1	5.7	4.3	4.8	3.9	1.5	1.4	1.5	0.9	0.3	-0.6 s
Other MSA	_	7.9	6.4	6.9	5.3	7.6	7.2	6.7	8.9	7.5	5.8	4.5	4.7	3.0	2.8	1.5	1.3	1.1	1.5	+0.4
Non-MSA	_	6.2	9.2	6.4	6.3	6.9	7.8	7.6	7.1	8.9	6.3	4.5	4.0	3.9	3.5	3.0	1.8	1.5	1.1	-0.4
Parental Education: ^b																				
1.0–2.0 (Low)	_	6.1	6.4	6.4	4.9	7.6	6.5	6.3	10.4	12.1	5.8	6.6	8.2	3.0	4.8	1.1	2.4	3.0	0.2	-2.8 ss
2.5–3.0	_	8.0	8.3	8.2	7.7	8.0	8.6	7.5	9.1	9.6	7.5	5.8	4.4	3.5	3.0	2.1	1.1	1.6	0.5	-1.0
3.5–4.0	_	7.5	8.5	6.2	6.8	8.1	8.2	7.9	9.0	8.9	7.3	4.9	5.3	5.1	3.5	2.3	1.1	8.0	1.7	+0.8
4.5–5.0	_	5.7	6.3	5.1	5.0	5.6	7.0	6.0	7.3	4.5	4.3	3.6	3.7	2.4	1.7	1.7	1.6	0.4	0.9	+0.5
5.5–6.0 (High)	_	6.6	5.6	5.0	4.6	6.3	4.7	5.7	6.0	5.8	4.1	3.1	3.7	2.7	1.2	1.2	1.3	0.9	1.8	+0.9
Race/Ethnicity (2-year average): c																				
White	_	_	8.0	7.6	7.1	7.4	8.3	8.5	8.3	8.3	7.2	5.3	4.7	4.8	3.6	2.6	1.8	1.2	1.0	-0.2
African American	_	_	3.1	3.0	1.6	2.2	2.4	2.2	2.7	3.4	3.0	1.7	1.9	2.4	2.2	1.2	1.2	0.9	1.1	+0.2
Hispanic	_	_	6.5	6.0	4.8	4.4	4.2	4.1	6.2	8.2	7.3	5.6	4.6	3.3	2.2	1.5	1.5	1.8	1.0	-0.8 ss

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table S2.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 64
VICODIN: ^a Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

								Percer	ntage wh	o used in	last 12 i	months								2018–
	1975–																			2019
	2001	2002	2003	2004	2005	2006	2007	2008	2009	<u>2010</u>	2011	<u>2012</u>	<u>2013</u>	2014	<u>2015</u>	<u>2016</u>	<u>2017</u>	2018	2019	<u>change</u>
Approximate weighted N =	_	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	,	
Total	_	9.6	10.5	9.3	9.5	9.7	9.6	9.7	9.7	8.0	8.1	7.5	5.3	4.8	4.4	2.9	2.0	1.7	1.1	-0.7 s
Gender:																				
Male	_	12.0	13.0	10.7	11.9	10.9	10.9	10.6	11.5	9.5	9.0	8.6	6.5	5.5	5.1	3.2	2.2	1.6	1.4	-0.3
Female	_	7.5	8.1	7.6	7.2	8.7	8.1	8.9	7.9	6.4	7.1	5.9	4.1	3.8	3.8	2.3	1.5	1.3	0.7	-0.6
College Plans:																				
None or under 4 years	_	13.0	14.7	11.6	14.3	11.8	13.2	15.0	13.1	12.0	13.2	9.2	8.3	5.7	5.8	4.1	2.7	3.2	2.4	-0.8
Complete 4 years	_	8.4	9.1	8.3	8.4	9.1	8.5	8.5	8.9	7.1	7.1	6.8	4.5	4.4	4.0	2.6	1.7	1.2	0.7	-0.5 s
Region:																				
Northeast	_	8.1	9.4	9.1	8.8	10.8	9.3	9.9	9.0	9.0	5.8	5.4	5.4	3.2	3.4	1.3	1.5	1.1	0.5	-0.7
Midwest	_	11.6	13.2	8.4	12.4	12.0	14.1	11.7	14.3	9.6	9.6	9.7	6.7	7.4	5.6	4.4	2.5	2.2	1.3	-1.0
South	_	8.1	6.1	7.0	7.8	6.9	6.3	7.3	6.2	5.0	5.6	4.9	3.1	3.6	3.7	2.3	1.9	1.8	0.9	-0.9
West	_	10.9	16.3	15.4	9.3	11.2	10.9	11.1	10.4	10.6	11.9	9.7	7.1	5.7	5.2	3.9	1.8	1.6	1.9	+0.3
Population Density:																				
Large MSA	_	9.7	7.3	8.3	8.9	10.4	9.1	8.4	8.6	8.4	8.7	8.7	5.5	4.2	3.4	3.0	2.0	2.1	0.9	-1.3 s
Other MSA	_	10.6	12.2	10.9	9.3	9.4	9.3	10.0	9.7	8.5	8.2	6.8	5.5	5.3	5.4	3.3	2.0	1.3	1.3	0.0
Non-MSA	_	7.8	11.4	7.2	10.6	9.5	10.7	10.5	11.3	6.2	7.2	7.3	4.6	4.3	3.6	1.9	1.7	2.0	8.0	-1.2 ss
Parental Education: b																				
1.0-2.0 (Low)	_	12.1	9.4	7.8	7.8	7.9	6.3	7.8	9.6	6.0	8.6	6.8	6.0	4.9	4.5	2.6	2.0	2.0	0.9	-1.1
2.5–3.0	_	9.6	10.8	8.8	10.5	9.3	10.2	10.5	9.2	8.5	7.6	9.0	5.0	5.0	3.7	3.0	2.5	2.1	1.1	-0.9
3.5-4.0	_	9.5	12.0	10.1	10.0	11.6	9.9	11.2	10.9	8.3	9.0	7.8	6.5	4.1	4.9	2.6	2.0	1.8	1.5	-0.3
4.5–5.0	_	9.9	9.7	8.4	9.0	8.6	10.5	8.8	10.3	7.9	7.3	7.1	5.3	5.1	4.8	2.4	1.2	0.8	8.0	0.0
5.5–6.0 (High)	_	8.6	8.8	10.1	8.9	10.4	7.9	8.8	7.7	8.4	7.7	5.5	3.4	4.8	4.2	4.2	2.0	1.6	0.4	-1.2 s
Race/Ethnicity (2-year average): °																				
White	_	_	11.7	11.2	10.5	11.3	11.5	11.6	11.8	10.4	9.4	8.7	6.6	5.0	4.7	3.8	2.5	1.9	1.2	-0.6 ss
African American	_	_	3.3	3.1	3.3	3.7	3.3	3.6	4.3	4.3	4.1	3.8	3.2	2.7	2.9	2.9	1.8	1.1	1.2	+0.1
Hispanic	_	_	7.1	7.2	7.7	6.5	5.7	4.9	5.7	6.2	6.0	7.1	7.1	4.7	3.5	3.4	2.3	1.7	1.4	-0.3

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on two of six forms in 2002–2005; N is two sixths of N indicated in Table S3. Data based on three of six forms beginning in 2006; N is three sixths of N indicated in Table S3.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 65

AMPHETAMINES: ^a Trends in <u>Annual</u> Prevalence of Use by Subgroups in Grade 8

Percentage who used in last 12 months 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 Approximate weighted N = 17,50018,300 17,300 17,500 17,800 18,600 18,100 16,700 16,700 16,200 15,100 16,500 17,000 16,800 Total 6.2 6.5 7.2 8.7 9.1 8.1 7.2 6.5 6.7 5.5 4.9 4.9 Gender: 3.7 Male 5.5 5.2 5.6 6.5 7.0 6.7 6.6 5.6 5.6 5.1 5.7 4.8 4.4 3.5 6.9 7.9 8.8 9.3 9.6 8.7 8.2 7.7 7.5 6.5 6.1 6.2 Female 10.3 11.3 6.2 College Plans: None or under 4 years 11.6 12.9 14.6 14.5 17.1 15.5 15.4 14.0 14.2 12.0 12.2 12.4 11.2 Complete 4 years 5.4 5.7 6.3 7.0 7.6 8.3 7.5 6.3 6.2 5.7 6.1 4.8 4.8 4.5 4.3 Region: Northeast 3.5 5.1 4.3 5.9 6.9 7.3 7.6 6.5 5.5 5.6 5.0 5.5 3.4 4.1 2.8 Midwest 7.1 7.3 7.8 10.6 10.8 7.2 8.3 7.8 7.1 5.9 5.9 5.1 5.0 8.0 9.3 South 6.1 6.6 7.3 8.3 8.6 8.7 8.1 8.4 7.5 7.0 8.1 6.7 6.4 5.7 5.8 West 6.0 6.6 8.6 8.4 7.9 9.1 8.3 6.7 5.4 5.4 4.6 4.7 4.6 4.9 4.6 Population Density: Large MSA 3.6 5.8 4.8 5.6 6.6 7.2 7.9 5.4 5.2 5.2 5.0 4.2 3.9 4.0 6.4 Other MSA 6.2 7.5 10.0 7.4 6.4 7.6 5.8 8.2 8.8 8.9 8.1 6.8 5.9 5.5 5.4 Non-MSA 6.7 7.0 7.5 10.1 8.9 9.9 8.8 9.3 8.5 6.9 7.5 5.0 5.2 Parental Education: b 1.0-2.0 (Low) 8.3 8.4 10.2 11.2 10.1 9.6 11.2 8.9 9.7 7.4 6.3 8.4 9.7 8.3 2.5-3.0 6.6 7.3 8.2 9.9 9.2 7.8 8.1 8.2 7.3 7.4 5.2 6.6 9.0 10.6 8.1 3.5-4.0 6.7 7.8 7.4 8.5 10.1 10.3 8.9 7.7 8.2 6.8 7.8 5.7 5.9 5.6 5.6 4.5-5.0 5.3 5.5 6.4 6.6 6.8 8.6 7.5 6.2 5.6 5.2 5.9 4.9 4.3 4.2 3.7 5.5-6.0 (High) 5.7 5.4 5.3 5.7 6.4 8.7 7.3 6.4 5.8 5.2 4.5 4.3 3.9 3.5 3.1 Race/Ethnicity (2-year average): c 9.3 10.2 9.0 8.4 6.4 5.9 5.4 6.8 7.4 8.1 9.9 8.0 7.8 7.2 African American 3.3 3.4 3.9 3.9 3.4 3.0 2.8 2.7 2.4 2.3 2.7 2.5 2.1 2.2

7.7

8.6

8.7

8.6

8.1

7.2

Hispanic

Table continued on next page.

7.2

7.0

6.8

6.6

5.9

5.0

5.4

5.3

TABLE 65 (cont.)

AMPHETAMINES: ^a Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 8</u>

					Pe	rcentage	e who us	ed in las	t 12 mor	nths						
							40			,0					2018-2019	
	<u>2006</u>	2007	2008	2009	<u>2010</u>	2011	2012	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>	
Approximate weighted N =	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	14,400	16,900	15,300	14,000	13,600		
Total	4.7	4.2	4.5	4.1	3.9	3.5	2.9‡	4.2	4.3	4.1	3.5	3.5	3.7	4.1	+0.4	
Gender:																
Male	3.5	3.3	3.5	3.7	3.4	3.1	2.4‡	3.5	3.4	3.1	2.9	2.4	3.6	2.8	-0.7	
Female	5.7	4.9	5.5	4.4	4.3	3.8	3.3‡	4.8	4.8	5.1	4.1	4.4	3.9	5.3	+1.4 ss	
College Plans:																
None or under 4 years	10.7	10.0	12.4	10.8	8.8	8.1	6.8‡	8.7	10.4	6.5	7.4	6.0	7.0	7.5	+0.5	
Complete 4 years	4.1	3.6	3.8	3.5	3.5	3.1	2.6‡	3.9	3.7	3.9	3.1	3.2	3.3	3.5	+0.2	
Region:																
Northeast	2.2	2.6	2.6	2.9	2.0	2.3	2.1‡	2.6	3.3	3.4	1.6	2.3	2.1	3.5	+1.4 ss	
Midwest	5.3	4.8	5.1	4.1	4.0	3.5	2.2‡	4.0	3.8	3.8	3.5	3.0	3.2	4.0	+0.8	Table continued on next page.
South	5.6	4.6	5.5	5.1	4.8	3.8	4.0‡	5.3	4.4	4.6	4.2	3.9	4.3	4.2	-0.1	
West	4.3	3.7	3.8	3.0	3.6	3.9	2.2‡	3.8	5.2	4.0	3.7	4.4	4.5	4.4	-0.1	
Population Density:																
Large MSA	3.9	3.4	4.1	2.7	2.6	2.6	2.6‡	3.8	3.3	3.1	2.8	3.5	4.0	3.4	-0.6	
Other MSA	4.8	4.6	4.8	4.8	4.6	4.1	3.1‡	4.3	4.7	5.0	3.6	3.6	3.7	4.4	+0.8	
Non-MSA	5.4	4.4	4.4	4.3	3.9	3.6	3.0‡	4.8	4.8	3.5	4.3	3.6	3.3	4.4	+1.1 s	
Parental Education: b																
1.0-2.0 (Low)	6.5	7.3	7.9	6.5	5.9	5.1	3.8‡	6.0	5.3	6.0	5.0	5.8	4.8	5.4	+0.6	
2.5–3.0	6.0	4.9	6.0	4.5	4.6	5.4	3.7‡	5.0	5.3	5.3	4.0	4.1	4.2	5.8	+1.5	
3.5-4.0	5.0	4.5	5.4	5.3	4.1	3.8	3.4‡	6.1	4.8	4.4	3.5	3.7	4.5	4.1	-0.4	
4.5–5.0	4.2	2.9	3.2	3.3	3.5	2.5	1.9‡	3.5	3.2	3.3	3.2	2.7	3.2	3.8	+0.6	
5.5-6.0 (High)	3.6	3.5	3.4	2.8	2.5	2.4	2.6‡	2.3	3.6	3.3	3.3	2.7	3.0	3.1	+0.1	
Race/Ethnicity (2-year average): c																
White	5.3	4.9	4.9	4.9	4.5	3.9	3.2	2.7‡	3.9	4.1	3.6	3.2	3.3	3.8	+0.5 s	
African American	2.0	1.7	1.8	2.4	2.3	1.9	1.9	1.6‡	3.2	3.2	3.3	3.3	3.3	2.9	-0.4	
Hispanic	4.5	3.9	4.0	3.9	3.5	3.9	3.6	2.6‡	4.5	4.1	3.8	3.7	4.0	4.4	+0.4	

TABLE 65 (cont.)

AMPHETAMINES: ^a Trends in **Annual** Prevalence of Use by Subgroups in Grade 8

Source. The Monitoring the Future study, the University of Michigan.

Notes. '‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. In 2009, the question text was changed slightly in half of the questionnaire forms. An examination of the data did not show any effect from the wording changes. In 2010 the remaining forms were changed in a like manner. In 2013 the question wording was changed two of the 8th and 10th grade questionnaires. The new wording in 2013 asked "On how many occasions (if any) have you taken amphetamines or other prescription stimulant drugs..." In contrast, the old wording did not include "or other prescription stimulant drugs." Results in 2013 indicated higher prevalence in questionnaires with the new as compared to the old wording; it was proportionally 61% higher in 8th grade and 34% higher in 10th grade. 2013 data are based on the changed forms only; N is one half of N indicated.Beginning in 2014 all questionnaires included the new, updated wording.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined. 2013 race/ethnicity data are based on the 2012 data combined with the 2013 data from the unchanged forms which were double weighted. The 2014 race/ethnicity data are based on the 2013 changed data which were double weighted and the 2014 data.

TABLE 66

AMPHETAMINES: ^a Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

						Percen	tage wh	o used ir	last 12	months						
	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	2001	2002	2003	2004	2005	
Approximate weighted N =		14,800	-,	-,	,	15,600	-,	-,	-,	,	,	14,300		16,400	16,200	
Total	8.2	8.2	9.6	10.2	11.9	12.4	12.1	10.7	10.4	11.1	11.7	10.7	9.0	8.5	7.8	
Gender:																
Male	7.0	7.0	8.2	8.6	9.6	10.5	10.3	9.0	9.2	10.3	10.6	9.6	7.8	7.3	6.6	
Female	9.3	9.3	10.9	11.7	14.1	14.2	13.9	12.3	11.5	11.8	12.7	11.8	10.1	9.6	9.0	
College Plans:																
None or under 4 years	13.4	14.4	15.5	16.6	19.9	20.3	19.3	17.9	16.3	18.2	20.4	17.5	15.7	14.8	13.7	
Complete 4 years	7.1	6.9	8.4	8.9	10.6	11.1	10.9	9.5	9.5	10.0	10.3	9.7	7.9	7.6	7.0	
Region:																
Northeast	6.1	5.4	7.8	8.7	9.8	11.5	10.7	11.0	12.1	9.8	10.5	9.3	7.4	8.5	7.4	
Midwest	10.3	9.4	9.5	10.5	13.3	14.0	11.0	9.8	10.3	11.1	10.7	10.4	9.7	8.2	8.5	Table continued on next page
South	8.1	8.7	10.9	11.2	12.8	12.6	14.2	12.6	10.8	12.0	14.0	12.2	10.2	9.6	8.6	
West	7.7	8.4	9.5	9.4	10.6	10.6	11.1	8.5	8.2	10.9	9.9	9.6	8.1	7.3	5.8	
Population Density:																
Large MSA	7.5	6.7	7.6	8.0	9.2	10.5	9.9	8.9	9.3	10.7	9.8	9.8	6.2	6.2	6.5	
Other MSA	7.9	8.0	9.5	10.8	12.8	12.8	11.5	10.3	10.6	9.9	11.1	11.0	9.5	9.6	8.0	
Non-MSA	9.3	10.0	11.6	11.2	13.3	13.7	15.5	13.8	11.5	13.6	15.1	11.2	12.2	9.2	9.0	
Parental Education: b																
1.0–2.0 (Low)	10.0	11.9	12.3	10.8	14.3	15.1	12.2	12.6	10.7	13.3	12.3	13.1	10.9	9.2	8.9	
2.5–3.0	9.7	8.9	10.5	11.6	14.2	13.0	14.1	12.8	11.3	12.9	13.6	12.8	11.2	9.9	8.9	
3.5–4.0	7.9	8.4	10.5	11.1	12.4	14.1	13.5	11.1	11.2	12.2	12.6	11.1	9.9	10.1	8.1	
4.5–5.0	7.4	6.6	7.5	8.9	10.7	10.7	10.6	9.0	9.8	9.7	10.5	9.5	7.6	7.2	7.4	
5.5–6.0 (High)	6.9	6.9	8.3	7.3	8.8	10.1	9.2	9.4	9.8	8.8	9.2	8.1	6.4	6.3	6.6	
Race/Ethnicity (2-year average): c																
White	_	9.4	10.1	11.0	12.4	13.9	14.2	13.6	12.6	12.7	13.4	13.4	12.2	10.6	9.5	
African American	_	2.8	3.0	4.0	4.0	3.4	3.1	2.9	2.8	2.5	2.9	3.5	2.8	2.7	3.0	
Hispanic	_	6.2	7.0	7.7	8.9	10.3	9.8	8.9	8.8	9.1	8.3	7.9	7.7	7.3	7.3	

TABLE 66 (cont.)

AMPHETAMINES: ^a Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

					Pe	rcentage	who us	ed in las	t 12 mor	nths						
													2212		2018-2019	
	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>	
Approximate weighted N =			15,100						13,000		14,700		,	,		
Total	7.9	8.0	6.4	7.1	7.6	6.6	6.5‡	7.9	7.6	6.8	6.1	5.6	5.7	5.2	-0.4	
Gender:																
Male	6.7	7.4	5.8	6.8	7.4	7.2	6.9‡	8.3	6.9	6.4	6.1	5.3	5.4	4.9	-0.5	
Female	8.9	8.7	6.9	7.4	7.7	6.0	6.2‡	7.5	8.3	7.3	6.2	5.7	5.9	5.5	-0.4	
College Plans:																
None or under 4 years	14.8	15.4	12.5	15.3	15.7	14.6	13.8‡	11.5	14.7	12.8	12.1	9.3	10.2	7.3	-2.8 s	
Complete 4 years	7.0	7.1	5.6	6.3	6.7	5.7	5.8‡	7.6	6.9	6.3	5.5	5.2	5.0	4.8	-0.2	
Region:																
Northeast	6.7	7.3	4.2	5.2	5.9	5.7	6.2‡	6.2	6.6	6.4	4.0	4.6	4.6	3.7	-0.9	
Midwest	8.7	8.7	7.3	7.0	8.6	7.4	6.4‡	8.5	8.7	6.0	6.9	6.9	6.6	4.6	-2.0 s	Table continued on next page.
South	8.5	8.1	6.8	8.3	7.6	7.2	7.5‡	9.0	7.9	7.5	6.8	5.4	5.6	5.5	-0.1	
West	7.1	7.7	6.6	7.4	8.1	5.6	5.2‡	7.3	7.0	7.1	6.2	5.5	5.8	6.5	+0.7	
Population Density:																
Large MSA	6.8	7.5	5.4	6.3	6.9	6.0	5.9‡	7.5	7.3	6.6	6.0	6.0	5.8	4.4	-1.4 s	
Other MSA	8.3	8.0	6.6	7.7	8.0	6.4	6.5‡	8.4	7.3	6.7	6.2	5.6	5.7	5.7	0.0	
Non-MSA	8.7	9.0	7.2	7.3	8.1	8.0	7.3‡	7.3	8.9	7.6	6.3	5.1	5.4	5.3	-0.2	
Parental Education: b																
1.0-2.0 (Low)	9.3	7.9	7.8	9.8	9.6	6.6	9.8‡	10.9	9.5	9.5	6.7	6.0	6.5	6.1	-0.4	
2.5–3.0	9.0	10.2	7.6	8.0	8.5	7.9	6.8‡	9.9	8.7	8.0	6.7	6.0	6.7	7.2	+0.5	
3.5-4.0	9.1	8.9	7.7	7.8	8.3	7.3	6.7‡	8.2	8.7	8.5	7.3	5.6	5.4	5.4	-0.1	
4.5–5.0	6.6	6.9	5.4	6.0	6.9	5.8	6.1‡	7.3	6.5	6.1	5.6	5.5	5.0	3.8	-1.1 s	
5.5–6.0 (High)	6.8	6.0	4.3	6.5	6.3	5.3	5.7‡	5.6	6.2	5.0	5.3	5.8	5.9	4.8	-1.0	
Race/Ethnicity (2-year average): °																
White	9.2	9.4	8.7	7.8	8.5	8.3	7.4	7.1‡	8.5	7.7	7.0	6.5	6.2	5.5	-0.7 ss	
African American	2.8	2.3	2.3	2.3	2.8	3.0	2.9	2.6‡	5.3	4.8	4.6	3.9	3.3	3.5	+0.1	
Hispanic	6.3	5.8	6.0	6.1	6.3	6.1	6.1	4.7±	7.4	6.7	6.6	5.6	5.4	5.8	+0.4	

TABLE 66 (cont.) AMPHETAMINES: ^a Trends in Annual Prevalence of Use by Subgroups in Grade 10

Source. The Monitoring the Future study, the University of Michigan.

Notes. '‡ 'indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001.' — 'indicates data' not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. In 2009, the question text was changed slightly in half of the questionnaire forms. An examination of the data did not show any effect from the wording changes. In 2010 the remaining forms were changed in a like manner. In 2013 the question wording was changed two of the 8th and 10th grade questionnaires. The new wording in 2013 asked "On how many occasions (if any) have you taken amphetamines or other prescription stimulant drugs..." In contrast, the old wording did not include "or other prescription stimulant drugs." Results in 2013 indicated higher prevalence in questionnaires with the new as compared to the old wording; it was proportionally 61% higher in 8th grade and 34% higher in 10th grade. 2013 data are based on the changed forms only; N is one half of N indicated. Beginning in 2014 all questionnaires included the new, updated wording.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined. 2013 race/ethnicity data are based on the 2012 data combined with the 2013 data from the unchanged forms which were double weighted. The 2014 race/ethnicity data are based on the 2013 changed data which were double weighted and the 2014 data.

TABLE 67

AMPHETAMINES: a,b Trends in Annual Prevalence of Use by Subgroups in Grade 12

-						Pe	ercentage	e who us	ed in las	t 12 mon	ths					
Approximate weighted N =	<u>1975</u> 9.400	<u>1976</u> 15.400	<u>1977</u> 17.100	<u>1978</u> 17.800	<u>1979</u> 15,500	<u>1980</u> 15,900	<u>1981</u> 17,500	<u>1982</u> 17.700	<u>1983</u> 16,300	<u>1984</u> 15,900	<u>1985</u> 16.000	<u>1986</u> 15,200	<u>1987</u> 16.300	<u>1988</u> 16,300	<u>1989</u> 16.700	<u>1990</u> 15,200
Total	16.2	15.8	16.3	17,000	18.3	20.8	26.0	20.3	17.9	17.7	15.8	13.4	12.2	10.9	10.8	9.1
Gender:	10.2	10.0	10.0	17.1	10.0	20.0	20.0	20.0	17.5	11.1	10.0	10.4	12.2	10.5	10.0	5.1
Male	15.6	15.8	16.0	16.9	18.4	19.7	24.8	19.6	17.2	16.8	14.9	12.7	11.8	10.8	11.1	9.4
Female	16.5	15.4	16.4	17.1	17.8	21.8	26.9	20.3	17.9	18.2	16.4	13.8	12.4	10.9	10.5	8.6
College Plans:	10.0	10.1	10.4		17.0	21.0	20.0	20.0	17.0	10.2	10.4	10.0	12.7	10.0	10.0	0.0
None or under 4 years	_	19.3	20.5	20.0	21.8	25.8	30.9	23.7	20.9	22.2	19.7	17.7	16.0	13.9	15.1	12.6
Complete 4 years	_	11.9	11.5	13.7	14.5	16.5	22.3	16.8	14.5	14.2	13.3	10.9	10.2	9.5	9.1	7.4
Region:						10.0		10.0						0.0	0	
Northeast	16.5	14.7	16.8	19.6	22.0	22.0	28.8	21.5	17.9	19.0	16.8	12.6	10.4	8.4	9.0	6.3
Midwest	18.7	17.8	19.0	18.2	18.3	22.2	30.1	24.1	20.4	20.3	17.3	15.2	13.5	12.2	13.3	10.7
South	12.6	13.7	13.2	14.0	14.0	17.7	19.6	16.4	15.4	15.1	12.8	11.5	11.5	10.8	9.9	8.9
West	18.5	17.2	16.0	17.8	20.7	22.1	26.6	18.7	18.2	16.9	17.3	15.0	13.4	11.8	11.1	10.2
Population Density:			10.0		20		20.0									
Large MSA	19.6	15.4	15.3	17.7	19.5	21.9	28.0	21.6	18.1	17.7	15.0	11.2	10.9	8.8	7.1	6.5
Other MSA	15.5	16.3	17.1	17.5	18.9	20.8	25.5	20.7	19.6	17.1	15.7	14.2	11.9	11.9	11.4	9.6
Non-MSA	14.8	15.4	15.9	16.0	16.6	19.9	25.1	18.8	15.6	18.5	16.6	14.1	14.0	11.3	13.3	10.6
Parental Education: c																
1.0-2.0 (Low)	15.7	13.4	14.5	14.9	16.0	19.1	22.3	18.7	15.7	17.1	14.5	11.9	11.9	9.8	10.4	7.6
2.5–3.0	16.7	16.9	17.4	17.3	18.4	22.2	26.7	21.9	19.6	19.2	17.0	15.2	13.3	11.1	11.7	9.7
3.5-4.0	14.9	16.6	16.1	18.2	19.6	21.5	26.9	21.7	19.4	18.5	17.2	14.3	12.6	11.8	12.3	10.6
4.5–5.0	14.5	16.8	15.9	16.9	17.1	20.0	26.2	19.1	18.9	15.9	15.1	12.0	11.7	10.3	9.4	8.1
5.5-6.0 (High)	12.0	14.6	16.0	17.2	20.4	17.9	26.8	20.5	16.1	14.0	10.9	10.1	10.4	10.0	9.1	7.3
Race/Ethnicity (2-year average): d																
White	_	_	17.3	18.2	19.2	21.3	26.4	23.6	22.3	20.5	18.9	16.4	14.3	13.0	12.4	11.4
African American	_	_	5.3	4.7	4.2	5.3	5.8	6.0	5.7	4.7	4.3	4.0	3.8	3.9	3.6	3.1
Hispanic	_	_	12.3	12.2	12.8	14.5	17.5	12.3	11.5	13.2	14.6	10.8	8.7	9.6	9.0	7.0

Table continued on next page.

TABLE 67 (cont.)

AMPHETAMINES: a,b Trends in Annual Prevalence of Use by Subgroups in Grade 12

						Pe	ercentage	e who us	ed in las	t 12 mon	ths					
Approximate weighted N =	<u>1991</u> 15,000	<u>1992</u> 15,800	1993 16,300	<u>1994</u> 15,400	<u>1995</u> 15,400	<u>1996</u> 14,300	<u>1997</u> 15,400	<u>1998</u> 15,200	<u>1999</u> 13,600	2000 12,800	2001 12,800	2002 12,900	2003 14,600	2004 14,600	2005 14,700	2006 14,200
Total	8.2	7.1	8.4	9.4	9.3	9.5	10.2	10.1	10.2	10.5	10.9	11.1	9.9	10.0	8.6	8.1
Gender:																
Male	8.3	7.2	8.2	9.2	9.5	9.6	10.1	10.3	10.6	10.4	10.9	11.3	9.8	9.9	9.1	7.4
Female	7.9	6.9	8.5	9.4	8.9	8.8	10.2	9.8	9.6	10.5	10.6	10.7	9.5	9.9	7.9	8.5
College Plans:																
None or under 4 years	11.0	9.7	11.0	13.4	12.3	12.8	14.1	13.6	12.7	13.9	14.4	14.8	14.4	13.3	11.5	10.6
Complete 4 years	7.0	6.1	7.6	8.0	8.3	8.4	8.9	9.0	9.5	9.6	9.8	10.1	8.4	8.9	7.8	7.5
Region:																
Northeast	6.5	6.2	8.1	7.4	9.6	10.4	11.1	9.0	9.9	10.6	12.0	11.5	9.7	9.5	7.4	8.5
Midwest	10.1	8.4	8.9	12.0	9.5	10.0	10.8	11.0	10.5	10.4	12.7	11.3	10.3	10.2	10.3	7.6
South	7.9	6.7	8.3	9.0	9.2	9.1	9.8	10.4	10.8	10.2	9.5	11.7	9.7	10.3	9.4	8.8
West	7.8	6.9	8.3	8.4	8.9	8.3	9.1	9.6	8.8	10.9	9.7	9.6	9.7	9.5	6.1	7.0
Population Density:																
Large MSA	6.2	6.0	6.5	7.8	9.1	7.9	8.9	9.0	7.0	8.3	10.6	10.7	7.5	8.0	7.8	8.7
Other MSA	8.4	6.7	8.5	9.4	8.5	8.9	9.5	9.9	10.8	10.9	10.8	11.0	10.5	10.6	8.9	7.6
Non-MSA	9.5	9.0	9.8	10.9	10.8	11.9	13.0	12.2	12.4	12.4	11.4	12.1	11.7	11.1	8.9	8.2
Parental Education: c																
1.0-2.0 (Low)	9.5	7.0	9.0	10.4	9.9	8.1	9.8	9.7	9.9	11.0	8.9	8.1	10.6	7.5	6.1	8.2
2.5-3.0	9.1	7.7	8.6	10.3	9.9	10.5	10.3	10.6	11.3	11.0	12.2	11.4	9.9	11.0	9.2	8.2
3.5-4.0	8.9	7.7	9.1	9.4	9.1	9.3	10.8	11.4	10.8	10.6	11.6	12.3	10.7	12.3	9.5	8.9
4.5–5.0	6.5	6.3	8.0	9.5	9.2	8.9	9.4	9.4	9.7	10.3	10.7	11.1	9.4	8.2	8.5	7.8
5.5-6.0 (High)	5.7	5.8	7.6	7.1	8.1	9.1	10.2	8.7	8.4	10.2	8.7	10.2	7.7	8.4	7.4	7.0
Race/Ethnicity (2-year average): d																
White	9.8	8.8	9.0	10.4	10.7	10.5	11.4	12.1	11.9	11.9	12.6	13.2	12.4	11.6	11.0	9.9
African American	2.7	2.2	2.3	3.4	3.4	2.9	2.8	2.8	2.5	2.6	3.0	2.9	2.8	2.4	2.4	2.6
Hispanic	6.1	6.0	6.2	6.4	7.1	7.8	7.3	7.0	7.6	9.2	9.2	7.9	6.8	7.0	6.7	6.4

Table continued on next page.

TABLE 67 (cont.) **AMPHETAMINES:** ^{a,b} Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

					Percer	ntage wh	o used ir	last 12	months					
Approximate weighted N =	2007 14.500	2008 14,000	2009 13,700	2010 14,400	2011 14,100	2012 13,700	2013 12,600	2014 12,400	2015 12,900	2016 11,800	2017 12,600	2018 13,300	2019 12,900	2018-2019 <u>change</u>
Total	7.5	6.8	6.6	7.4	8.2	7.9‡	9.2	8.1	7.7	6.7	5.9	5.5	4.5	-1.0 s
Gender:						·								
Male	7.4	6.5	7.5	8.3	8.8	8.2‡	10.0	8.8	8.1	7.5	6.9	6.3	4.9	-1.4 s
Female	7.3	6.8	5.7	6.4	7.4	7.5‡	7.9	7.3	7.1	5.8	5.0	4.2	3.8	-0.4
College Plans:														
None or under 4 years	10.3	10.7	8.4	10.5	11.6	8.9‡	13.1	9.5	9.3	6.7	6.8	6.7	6.1	-0.6
Complete 4 years	6.7	5.7	6.1	6.7	7.4	7.6‡	8.4	7.6	7.3	6.6	5.7	4.9	3.9	-1.0 s
Region:														
Northeast	7.5	6.5	6.7	8.6	7.1	7.0‡	8.1	7.1	6.6	5.8	5.0	5.4	3.1	-2.3 sss
Midwest	8.2	6.9	7.8	8.1	8.6	9.0‡	10.7	8.9	9.0	7.7	5.9	6.0	4.9	-1.1
South	7.9	7.1	6.5	6.9	8.1	7.0‡	9.3	8.9	7.5	6.6	6.3	5.5	4.6	-0.9
West	5.8	6.3	5.2	6.5	8.7	8.5‡	8.5	7.0	7.7	6.5	5.8	5.0	4.7	-0.3
Population Density:														
Large MSA	6.7	6.2	6.3	6.8	7.4	9.2‡	8.5	7.5	7.7	6.2	5.1	4.5	4.4	0.0
Other MSA	7.4	6.7	7.0	8.0	8.7	7.8‡	10.2	9.0	7.8	7.0	6.6	5.8	4.7	-1.1
Non-MSA	8.6	7.5	6.2	6.8	8.1	6.1‡	7.9	7.0	7.5	6.7	5.8	6.6	3.7	-2.9 sss
Parental Education: c														
1.0–2.0 (Low)	7.5	7.3	5.5	5.0	6.8	6.0‡	7.9	6.8	6.4	5.8	4.2	4.1	3.8	-0.3
2.5–3.0	7.6	7.3	7.3	7.2	8.1	7.8‡	10.1	8.9	7.3	6.0	6.0	5.1	3.8	-1.3
3.5-4.0	7.6	6.5	7.3	7.9	8.3	8.0‡	9.0	7.8	7.7	7.4	5.9	6.0	4.6	-1.5 s
4.5–5.0	7.4	6.2	6.3	8.1	7.6	8.7‡	10.0	8.5	8.5	6.9	6.1	5.5	5.0	-0.5
5.5-6.0 (High)	7.1	7.1	5.6	7.5	9.7	8.4‡	9.3	8.6	9.5	7.8	7.4	6.2	5.1	-1.1
Race/Ethnicity (2-year average): d														
White	9.3	8.7	8.1	8.6	9.6	10.0	10.1‡	9.8	9.1	8.6	7.6	6.8	5.7	-1.1 ss
African American	2.5	2.2	2.3	2.8	2.9	2.9	3.3‡	5.9	4.3	3.7	3.4	3.1	2.7	-0.4
Hispanic	5.8	4.7	4.4	4.4	4.8	4.7	6.3‡	6.9	6.5	5.8	4.7	3.9	3.6	-0.3

TABLE 67 (cont.)

AMPHETAMINES: a,b Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

Source. The Monitoring the Future study, the University of Michigan.

Notes. '‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. In 2013 the question wording was changed slightly in four of the six questionnaire forms. Vyvanse was added to the list of examples in one questionnaire form. 2013 data presented here are based on the unchanged forms only; N is two sixths of N indicated.

^aOnly drug use not under a doctor's orders is included here.

Beginning in 1982, the question about amphetamine use was revised to get respondents to exclude the inappropriate reporting of nonprescription amphetamines. The prevalence rate dropped slightly as a result of this methodological change. (In 1982 and 1983, the data are based on three of the five questionnaire forms.) Only drug use not under a doctor's orders is included here. In 2009, the question text was changed slightly in half of the questionnaire forms. An examination of the data did not show any effect from the wording changes. In 2010 the remaining forms were changed in a like manner. In 2011 bennies, Benzedrine, and Methadrine were deleted from the list of examples in one questionnaire form. An examination of the data did not show any effect from the wording changes. In 2013 the question wording was changed in three of the 12th grade questionnaires. The new wording in 2013 asked "On how many occasions (if any) have you taken amphetamines or other prescription stimulant drugs..." In contrast, the old wording did not include "or other prescription stimulant drugs." Results in 2013 indicated higher prevalence in questionnaires with the new as compared to the old wording; it was proportionally 21% higher in 12th grade. 2013 data are based on the changed forms only; N is one half of N indicated. Beginning in 2014 all questionnaires included the new, updated wording.

^cParental education is an average score of mother's education and father's education. See appendix B for details.

^dTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined. 2013 race/ethnicity data are based on the 2012 data combined with the 2013 data from the unchanged forms which were triple weighted. The 2014 race/ethnicity data are based on the 2013 changed data which were double weighted and the 2014 data.

TABLE 68
RITALIN: ^a Trends in <u>Annual Prevalence of Use by Subgroups in <u>Grade 8</u></u>

								P	ercentag	e who us	ed in las	t 12 mon	ths								2018–
	1991–																				2019
	<u>2000</u>	<u>2001</u>	2002	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>
Approximate weighted N =	_	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	14,400	16,900	15,300	14,000	13,600	
Total	_	2.9	2.8	2.6	2.5	2.4	2.6	2.1	1.6	1.8	1.5	1.3	0.7	1.1	0.9	0.6	8.0	0.4	0.5	1.0	+0.4
Gender:																					
Male	_	3.2	3.2	2.9	2.6	2.4	2.7	1.9	1.5	2.4	1.5	1.1	0.5	1.3	8.0	8.0	1.2	0.5	0.7	1.2	+0.6
Female	_	2.6	2.5	2.3	2.4	2.4	2.5	2.3	1.5	1.4	1.5	1.3	8.0	8.0	1.0	0.5	0.4	0.3	0.3	0.7	+0.4
College Plans:																					
None or under 4 years	_	8.1	7.7	6.8	8.8	7.5	9.0	4.2	5.7	5.3	5.8	3.7	3.0	3.2	4.6	2.6	2.9	1.1	2.1	3.4	+1.3
Complete 4 years	_	2.4	2.2	2.1	1.8	1.8	1.9	1.8	1.2	1.6	1.1	1.1	0.5	0.9	0.6	0.4	0.6	0.3	0.4	0.6	+0.2
Region:																					
Northeast	_	1.5	2.8	1.7	1.6	2.0	2.0	0.9	0.4	1.2	1.8	1.5	0.1	1.3	1.3	0.2	0.5	0.1	0.5	0.6	+0.1
Midwest	_	3.0	3.0	2.9	2.4	1.9	3.2	2.4	2.0	2.3	1.8	1.2	0.1	0.7	0.2	0.5	0.4	0.2	0.4	1.0	+0.6
South	_	3.5	2.8	2.9	3.0	3.0	2.5	2.5	2.2	1.5	1.4	1.4	1.4	1.2	0.9	8.0	1.2	0.7	0.5	1.4	+0.9
West	_	2.9	2.5	2.2	2.5	2.1	2.7	1.6	1.2	2.2	1.2	1.0	0.5	1.3	1.4	0.7	0.7	0.5	0.7	0.7	-0.1
Population Density:																					
Large MSA	_	2.2	2.3	2.3	1.7	1.5	2.3	1.2	1.1	1.6	1.1	8.0	8.0	0.9	1.0	0.6	0.9	0.3	0.5	1.2	+0.7
Other MSA	_	2.9	3.1	2.8	3.0	3.4	3.0	2.7	1.8	1.9	1.9	1.8	8.0	1.2	1.0	0.7	1.0	0.6	0.7	0.9	+0.2
Non-MSA	_	3.5	2.8	2.4	2.4	1.7	2.3	2.0	1.9	2.0	1.3	0.9	0.2	1.0	8.0	0.3	0.3	0.3	0.2	0.9	+0.7
Parental Education: ^b																					
1.0-2.0 (Low)	_	4.8	5.3	2.5	4.2	5.2	6.5	1.9	4.4	4.6	2.3	2.7	0.7	2.3	2.0	8.0	1.8	0.9	0.6	2.0	+1.4
2.5–3.0	_	3.3	4.0	2.8	2.9	2.7	3.1	2.3	2.2	2.2	1.4	1.6	8.0	1.2	0.7	1.1	0.7	0.2	0.6	1.4	+0.8
3.5-4.0		3.5	3.3	3.3	2.7	2.7	2.6	2.4	1.7	2.1	0.5	1.5	1.1	1.2	1.0	0.4	1.0	0.4	0.5	1.2	+0.6
4.5–5.0	_	2.4	1.5	1.8	2.1	1.5	2.0	1.8	1.0	1.3	1.4	0.9	0.3	1.2	1.0	0.4	0.4	0.2	0.5	0.7	+0.2
5.5-6.0 (High)	_	2.1	1.7	2.1	1.9	1.6	1.2	1.8	0.7	1.4	1.6	8.0	0.6	0.4	0.4	0.3	0.6	0.6	0.3	0.5	+0.3
Race/Ethnicity (2-year average): c																					
White	_	_	3.0	2.8	2.7	2.5	2.6	2.4	1.9	1.7	1.7	1.4	1.0	0.7	0.8	0.6	0.4	0.4	0.3	0.4	+0.1
African American	_	_	1.0	1.3	1.5	1.6	1.8	1.8	1.8	1.3	1.0	1.1	1.0	1.4	1.2	0.7	1.5	1.6	0.9	1.2	+0.3
Hispanic		_	3.8	2.7	2.5	3.3	3.1	2.8	2.1	1.5	1.5	1.3	1.2	1.3	1.3	0.7	0.7	0.6	0.6	0.9	+0.3

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of four forms; N is one third of N indicated in Table S1.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 69
RITALIN: ^a Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

								P	ercentag	e who us	ed in las	t 12 mon	ths								2018–
	1991–																				2019
	2000	2001	2002	2003	<u>2004</u>	<u>2005</u>	2006	2007	2008	2009	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	2017	<u>2018</u>	<u>2019</u>	change
Approximate weighted N =	_	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	15,600	14,700	13,500	14,300	14,000	
Total	_	4.8	4.8	4.1	3.4	3.4	3.6	2.8	2.9	3.6	2.7	2.6	1.9	1.8	1.8	1.6	1.2	8.0	0.9	0.7	-0.2
Gender:																					
Male	_	5.2	4.9	4.2	3.6	3.2	3.7	2.6	3.0	3.8	3.1	2.9	2.8	2.5	2.2	2.1	1.5	0.7	1.5	1.1	-0.4
Female	_	4.3	4.6	3.8	3.0	3.5	3.7	2.9	2.9	3.4	2.1	2.5	1.0	1.2	1.5	1.2	0.9	0.7	0.4	0.2	-0.2
College Plans:																					
None or under 4 years	_	7.2	10.2	11.0	5.5	6.7	9.1	6.0	8.6	9.3	6.2	7.3	4.5	3.7	6.0	4.7	3.2	2.4	1.9	8.0	-1.1
Complete 4 years	_	4.3	3.8	2.9	3.0	2.9	2.8	2.3	2.3	3.0	2.2	2.1	1.6	1.6	1.4	1.3	0.9	0.6	0.7	0.7	-0.1
Region:																					
Northeast	_	5.5	3.6	3.8	4.5	4.1	3.0	2.8	3.3	4.0	2.2	3.5	2.1	1.8	1.6	1.9	1.2	0.4	8.0	0.5	-0.3
Midwest	_	4.6	4.8	4.2	2.7	4.8	4.0	3.6	3.1	4.6	3.2	2.9	2.1	1.9	2.2	1.0	1.6	1.0	1.3	0.5	-0.7
South	_	5.3	5.2	4.2	3.8	3.0	3.4	3.0	3.0	3.5	2.7	2.4	1.9	1.6	1.7	1.4	1.0	0.8	8.0	0.6	-0.2
West	_	3.1	5.1	3.9	2.4	1.4	4.2	1.6	2.4	2.3	2.4	2.1	1.2	1.9	1.9	2.4	1.1	0.8	0.7	1.0	+0.3
Population Density:																					
Large MSA	_	4.3	3.6	4.0	2.6	4.0	2.8	2.9	2.0	3.3	3.0	2.8	2.0	1.7	1.7	0.9	0.8	0.8	1.0	0.1	-0.9 sss
Other MSA		4.6	5.8	3.7	3.6	3.3	4.1	2.5	3.3	3.6	2.6	2.8	1.7	1.7	1.7	1.8	1.1	0.6	0.8	1.0	+0.2
Non-MSA	_	5.8	4.3	5.1	3.7	2.8	3.7	3.0	3.5	4.1	2.3	2.1	2.1	2.1	2.3	2.5	2.1	1.2	1.0	0.6	-0.3
Parental Education: ^b																					
1.0-2.0 (Low)	_	5.0	7.7	4.2	4.8	3.3	3.9	3.9	2.8	4.1	4.0	3.0	1.2	2.4	1.2	2.2	0.4	1.0	1.8	0.0	-1.8
2.5–3.0	_	5.4	5.9	5.0	3.4	4.4	3.8	3.2	2.9	3.9	2.7	3.3	3.2	3.3	1.3	1.6	2.1	0.9	1.4	0.6	-0.8
3.5–4.0	_	5.0	4.2	4.1	3.0	2.6	3.6	2.7	2.9	3.8	3.1	2.9	1.5	1.6	2.5	2.2	1.2	0.8	0.5	0.8	+0.3
4.5–5.0	_	4.2	3.6	3.7	2.9	4.0	3.4	2.6	3.4	3.3	1.4	1.9	1.7	1.5	1.5	1.1	0.4	0.4	0.7	1.0	+0.3
5.5–6.0 (High)	_	4.6	4.7	3.3	3.7	2.8	4.0	2.2	2.8	3.8	3.3	2.2	1.8	0.7	1.7	1.3	1.6	0.6	8.0	0.6	-0.2
Race/Ethnicity (2-year average): °																					
White	_	_	5.5	4.8	4.1	3.9	3.9	3.7	3.5	3.8	3.4	2.9	2.6	2.0	2.1	1.9	1.6	1.0	0.7	0.8	+0.1
African American	_	_	1.8	2.5	1.9	1.0	1.5	1.7	1.4	1.2	2.0	2.2	1.1	1.2	1.3	1.3	0.9	1.1	0.8	1.1	+0.3
Hispanic	_	_	3.1	4.4	3.6	2.2	2.1	1.9	1.6	2.3	2.8	2.6	2.2	1.7	1.5	1.8	1.7	1.2	1.0	0.5	-0.5 s

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of four forms; N is one third of N indicated in Table S2.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 70
RITALIN: ^a Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

								Pe	ercentage	e who us	ed in last	t 12 mon	ths								2018–
	1975–																				2019
	<u>2000</u>	<u>2001</u>	2002	2003	2004	<u>2005</u>	<u>2006</u>	<u>2007</u>	2008	2009	<u>2010</u>	<u>2011</u>	2012	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>
Approximate weighted N =	_	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	_	5.1	4.0	4.0	5.1	4.4	4.4	3.8	3.4	2.1	2.7	2.6	2.6	2.3	1.8	2.0	1.2	1.3	0.9	1.1	+0.2
Gender:																					
Male	_	6.0	5.1	5.5	6.0	5.4	4.5	3.6	3.7	3.2	3.5	2.7	2.7	2.9	1.9	2.4	1.3	1.6	1.4	1.5	+0.2
Female	_	4.1	2.8	2.6	4.0	3.3	3.8	3.5	2.9	1.1	1.7	2.3	1.9	1.6	1.5	1.4	0.6	0.9	0.4	0.7	+0.3
College Plans:																					
None or under 4 years	_	6.4	7.7	4.4	6.8	5.3	5.3	5.6	4.2	3.2	5.4	3.1	2.9	4.1	1.4	2.4	2.4	1.5	1.3	2.3	+1.0
Complete 4 years	_	4.7	3.0	3.7	4.4	4.1	4.0	3.3	3.2	1.8	2.1	2.5	2.3	1.9	1.6	1.8	0.8	1.1	0.7	8.0	+0.1
Region:																					
Northeast	_	4.7	4.5	4.6	4.1	4.7	6.1	4.1	4.2	1.3	3.5	2.1	2.5	2.0	1.6	1.6	0.9	1.5	1.8	0.7	-1.1
Midwest	_	7.4	5.4	3.8	6.0	5.3	3.8	5.2	3.4	3.0	2.9	3.0	2.4	2.0	2.1	2.0	1.3	1.1	0.9	1.4	+0.6
South	_	4.1	3.4	3.5	4.7	4.6	4.3	3.0	3.4	2.1	2.1	2.7	2.8	2.3	2.5	1.8	1.2	1.3	0.7	8.0	+0.1
West	_	3.8	2.6	4.4	5.5	2.7	3.8	3.5	2.8	1.7	2.8	2.2	2.5	2.8	0.4	2.5	1.4	1.2	0.7	1.9	+1.2
Population Density:																					
Large MSA	_	7.2	3.9	3.2	4.2	4.1	5.4	4.0	4.1	2.4	2.7	2.2	2.4	1.9	2.1	2.0	1.7	1.5	0.9	0.9	-0.1
Other MSA	_	3.7	4.0	5.1	5.6	5.1	3.9	3.4	3.5	2.2	2.8	2.6	2.4	2.5	1.8	1.6	1.0	1.5	0.7	1.2	+0.4
Non-MSA	_	5.4	4.0	2.9	4.9	3.4	3.8	4.2	2.4	1.5	2.2	3.1	3.1	2.4	1.2	2.7	1.0	0.4	1.3	1.5	+0.2
Parental Education: b																					
1.0–2.0 (Low)	_	5.6	5.3	3.1	5.2	5.5	5.2	2.1	2.0	2.6	2.9	1.9	4.1	2.3	1.9	2.0	1.5	0.8	0.4	2.6	+2.2
2.5–3.0	_	4.5	4.2	3.7	4.2	4.2	3.6	4.1	3.4	3.3	3.0	2.5	2.5	2.1	2.0	2.0	1.0	1.8	1.1	0.7	-0.4
3.5–4.0	_	5.0	3.9	4.8	6.3	4.1	4.6	3.5	3.6	1.3	2.6	2.7	2.7	2.6	1.1	1.6	0.9	1.3	0.8	1.4	+0.6
4.5–5.0	_	4.7	3.5	3.5	4.6	3.9	4.7	4.7	3.1	1.9	2.2	2.0	2.1	2.3	1.2	2.0	1.0	0.8	1.0	1.0	0.0
5.5-6.0 (High)	_	6.6	3.9	4.0	4.5	6.0	4.6	2.7	4.5	1.7	2.4	3.3	2.0	1.3	3.3	1.9	1.4	1.2	0.9	0.5	-0.4
Race/Ethnicity (2-year average): c																					
White	_	_	5.4	4.6	5.2	5.3	4.9	4.9	4.3	3.1	2.6	2.7	2.6	2.3	1.9	1.9	1.5	1.2	1.1	8.0	-0.4
African American	_	_	8.0	1.2	1.2	2.0	2.3	1.8	1.5	1.5	2.1	1.9	1.6	2.3	2.2	2.3	2.2	1.1	0.9	0.7	-0.2
Hispanic	_	_	3.1	3.3	3.6	3.6	3.9	2.7	1.5	1.9	2.1	2.3	2.7	2.3	1.6	1.4	1.2	1.1	1.0	1.3	+0.3

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on two of six forms; N is two sixths of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

See appendix B for details on how race/ethnicity is defined.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

TABLE 71

ADDERALL: ^a Trends in <u>Annual Prevalence of Use</u>
by Subgroups in <u>Grade 8</u>

				Perce	ntage wh	o used in	last 12 m	onths				
												2018– 2019
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	change
Approximate weighted N =	15,000	15,300	16,000	15,100	14,600	14,600	14,400	16,900	15,300	14,000	13,600	
Total	2.0	2.3	1.7	1.7	1.8	1.3	1.0	1.5	1.3	1.8	2.5	+0.7
Gender:												
Male	2.8	2.5	1.5	1.3	1.6	1.0	1.2	2.0	1.3	1.5	2.7	+1.2 s
Female	1.3	2.1	1.7	1.9	1.9	1.4	1.0	1.2	1.2	1.9	2.4	+0.5
College Plans:												
None or under 4 years	6.1	5.4	5.1	4.2	7.4	4.9	3.3	4.5	3.4	2.9	6.0	+3.1
Complete 4 years	1.7	2.0	1.4	1.5	1.4	1.0	0.9	1.2	1.0	1.6	2.0	+0.5
Region:												
Northeast	1.0	1.5	1.4	1.0	2.2	1.0	1.1	0.6	0.3	1.1	1.0	0.0
Midwest	2.3	3.1	2.3	1.0	8.0	0.9	0.6	1.8	1.7	1.5	2.1	+0.6
South	2.3	2.3	1.7	2.6	2.1	1.6	1.5	1.7	1.5	2.2	3.6	+1.4
West	1.8	1.9	1.2	1.3	2.0	1.3	0.6	1.6	1.1	2.0	2.3	+0.3
Population Density:												
Large MSA	1.9	1.7	0.7	2.1	1.5	1.3	0.9	1.2	0.9	1.8	3.2	+1.5 s
Other MSA	2.0	2.8	2.5	1.4	1.7	1.3	1.4	1.5	1.4	2.1	2.4	+0.3
Non-MSA	2.0	2.0	1.5	1.5	2.3	1.2	0.5	2.1	1.3	1.2	2.0	+0.8
Parental Education: b												
1.0-2.0 (Low)	5.3	3.5	3.7	1.1	2.2	1.9	1.9	1.8	0.9	1.3	4.6	+3.3 ss
2.5–3.0	1.8	2.5	2.6	1.9	2.1	1.3	1.0	1.7	1.5	1.9	5.6	+3.7 s
3.5–4.0	2.9	2.0	1.6	1.5	2.3	1.3	1.3	1.7	1.6	1.9	1.5	-0.3
4.5–5.0	1.4	2.4	1.3	1.4	1.8	1.0	1.1	1.0	1.4	1.9	2.3	+0.4
5.5-6.0 (High)	1.1	1.2	0.7	1.7	0.6	1.0	0.3	1.4	0.2	1.0	1.1	+0.1
Race/Ethnicity (2-year average): c												
White	_	2.4	2.1	1.7	1.4	1.3	1.2	1.3	1.5	1.3	1.9	+0.6
African American	_	1.2	1.5	1.4	1.6	1.3	1.1	2.0	2.0	1.5	2.4	+0.8
Hispanic	_	1.9	1.9	1.7	1.8	1.8	0.9	0.8	1.0	1.2	2.1	+0.9 s

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates

for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Tables D-S1.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 72

ADDERALL: ^a Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

				Perce	ntage who	used in	last 12 m	onths				
												2018– 2019
	2009	2010	2011	2012	2013	2014	<u>2015</u>	<u>2016</u>	2017	2018	2019	change
Approximate weighted N =	15,900	15,200	14,900	15,000	12,900	13,000	15,600	14,700	13,500	14,300	14,000	
Total	5.7	5.3	4.6	4.5	4.4	4.6	5.2	4.2	4.0	4.1	3.1	-1.0
Gender:												
Male	6.1	5.5	5.4	5.0	5.2	4.7	5.3	4.1	4.3	4.8	3.7	-1.1
Female	5.3	4.9	3.8	4.1	3.7	4.4	5.2	4.1	3.6	3.2	2.3	-0.9
College Plans:												
None or under 4 years	15.1	10.6	11.5	9.3	8.1	10.4	9.2	7.9	9.9	7.6	3.9	-3.7 s
Complete 4 years	4.8	4.6	3.7	4.0	4.0	4.0	4.8	3.7	3.3	3.5	2.9	-0.6
Region:												
Northeast	4.2	4.1	4.9	4.0	5.4	3.9	6.1	3.1	2.7	1.9	1.9	0.0
Midwest	8.4	7.6	6.3	5.3	5.8	6.1	5.2	4.2	5.5	5.7	2.1	-3.6 ss
South	6.5	5.2	4.6	5.5	4.1	4.9	5.3	4.8	3.7	4.2	3.2	-1.0
West	3.4	3.7	2.3	2.5	2.9	3.4	4.2	4.1	3.7	3.6	4.6	+1.0
Population Density:												
Large MSA	6.2	6.0	4.8	3.7	4.3	5.4	3.8	3.6	5.2	6.0	1.9	-4.2 sss
Other MSA	5.9	5.0	4.1	4.4	4.7	4.3	6.0	4.5	3.0	2.6	3.8	+1.2
Non-MSA	4.8	4.8	5.1	5.7	4.0	4.2	5.6	4.3	4.3	4.4	3.2	-1.3
Parental Education: b												
1.0-2.0 (Low)	7.9	6.7	4.7	5.4	4.2	4.4	5.8	3.1	7.3	5.9	2.6	-3.3
2.5–3.0	6.6	6.0	5.4	6.3	5.2	4.8	5.2	3.7	2.7	4.5	3.1	-1.4
3.5–4.0	5.4	6.2	4.9	4.8	4.5	5.8	6.8	5.5	4.0	4.2	3.6	-0.6
4.5–5.0	4.9	3.8	4.5	4.1	4.7	3.9	5.1	3.4	3.1	2.9	3.2	+0.3
5.5-6.0 (High)	6.7	4.6	3.2	2.9	3.2	4.2	4.0	4.9	4.5	4.8	3.2	-1.6
Race/Ethnicity (2-year average): c												
White	_	6.6	5.7	5.3	5.6	5.9	6.0	5.6	4.5	4.1	3.6	-0.5
African American	_	2.2	2.7	1.7	2.0	3.0	3.5	2.9	2.9	2.9	2.5	-0.4
Hispanic	_	4.2	3.9	3.8	2.5	2.0	3.3	4.0	4.6	4.5	3.4	-1.1

s. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates

for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table D-S2.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

[°]To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 73

ADDERALL: ^a Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

				Perce	ntage who	o used in	last 12 m	onths				
												2018– 2019
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	change
Approximate weighted N =	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	5.4	6.5	6.5	7.6	7.4	6.8	7.5	6.2	5.5	4.6	3.9	-0.7
Gender:												
Male	7.4	7.5	7.4	8.0	8.7	7.7	8.0	7.7	7.1	4.9	4.8	-0.1
Female	3.8	5.5	5.5	6.9	6.0	6.0	6.9	4.4	4.2	3.9	3.0	-0.9
College Plans:												
None or under 4 years	7.0	10.9	7.5	7.8	9.2	5.4	8.6	7.3	7.0	7.0	4.9	-2.0
Complete 4 years	5.0	5.7	6.4	7.4	6.8	7.0	7.0	5.8	5.1	4.0	3.5	-0.6
Region:												
Northeast	5.1	7.7	7.2	7.6	5.2	7.2	6.9	5.1	5.9	5.6	3.7	-1.9
Midwest	7.9	7.3	7.7	10.1	8.7	9.2	10.3	7.6	5.7	4.8	3.7	-1.1
South	5.1	6.2	6.3	6.4	8.3	7.0	6.8	6.0	5.7	4.6	3.6	-1.1
West	3.2	5.3	5.3	6.6	6.3	3.9	6.4	5.7	4.9	3.7	4.9	+1.2
Population Density:												
Large MSA	5.9	7.0	4.7	9.1	7.2	7.8	7.5	6.8	5.0	4.2	3.6	-0.5
Other MSA	5.5	6.5	7.9	7.4	8.1	7.2	7.3	6.1	5.9	4.8	4.4	-0.4
Non-MSA	4.5	6.0	6.1	6.2	5.7	4.3	8.0	5.2	5.6	4.8	2.9	-1.9
Parental Education: b												
1.0-2.0 (Low)	4.0	5.2	5.6	5.8	7.0	2.7	5.7	4.9	3.7	3.0	4.1	+1.1
2.5–3.0	5.7	6.0	7.2	6.3	5.7	7.3	7.0	4.5	6.9	4.6	3.1	-1.6
3.5-4.0	6.1	6.7	5.9	8.4	8.4	6.6	7.9	7.5	5.7	4.8	3.4	-1.4
4.5–5.0	5.5	7.0	7.1	9.4	7.7	7.7	7.8	6.9	3.6	4.4	3.9	-0.5
5.5-6.0 (High)	4.7	7.0	6.2	6.6	8.6	8.8	8.5	5.8	8.5	6.0	6.3	+0.3
Race/Ethnicity (2-year average): c												
White	_	7.5	8.1	8.8	9.1	8.1	8.4	8.6	7.7	6.6	5.1	-1.5 ss
African American	_	2.9	2.2	2.1	3.6	4.6	5.9	5.1	2.2	1.6	1.7	+0.1
Hispanic	_	3.1	2.9	3.7	4.8	4.9	4.4	4.7	4.3	3.6	3.1	-0.5

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for

the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on two of six forms; N is two sixths of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 74 PROVIGIL: ^a Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

Percentage who used in

					las	st 12 mon	ths					2018-
												2019
	2009	2010	2011	2012	2013	<u>2014</u>	2015	2016	2017	2018	2019	change
Approximate weighted N =	13,700	14,400	14,100	_	_	_	_	_	_	_	_	
Total	1.8	1.3	1.5	_	_	_	_	_	_	_	_	_
Gender:												
Male	2.3	1.8	1.4	_	_	_	_	_	_	_	_	_
Female	1.3	0.6	1.3	_	_	_	_	_	_	_	_	_
College Plans:												
None or under 4 years	4.0	4.0	2.5	_	_	_	_	_	_	_	_	_
Complete 4 years	1.3	8.0	1.1	_	_	_	_	_	_	_	_	_
Region:												
Northeast	1.9	1.7	2.0	_	_	_	_	_	_	_	_	_
Midwest	2.0	1.7	1.0	_	_	_	_	_	_	_	_	_
South	1.9	1.2	1.7	_	_	_	_	_	_	_	_	_
West	1.4	0.9	1.2	_	_	_	_	_	_	_	_	_
Population Density:												
Large MSA	1.9	1.0	1.4	_	_	_	_	_	_	_	_	_
Other MSA	1.7	1.5	1.3	_	_	_	_	_	_	_	_	_
Non-MSA	2.0	1.6	1.8	_	_	_	_	_	_	_	_	_
Parental Education: b												
1.0–2.0 (Low)	3.8	1.7	2.4	_	_	_	_	_	_	_	_	_
2.5–3.0	2.0	1.6	2.0	_	_	_	_	_	_	_	_	_
3.5–4.0	1.7	1.2	1.6	_	_	_	_	_	_	_	_	_
4.5–5.0	1.2	8.0	0.5	_	_	_	_	_	_	_	_	_
5.5-6.0 (High)	1.1	1.8	0.9	_	_	_	_	_	_	_	_	_
Race/Ethnicity (2-year data): c												
White	_	1.5	1.3	_	_	_	_	_	_	_	_	_
African American	_	1.5	1.5	_	_	_	_	_	_	_	_	_
Hispanic	_	1.5	1.2	_	_	_	_	_	_	_	_	

Source. The Monitoring the Future study, the University of Michigan.

'—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data are based on two of six forms; N is two sixths of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 75

METHAMPHETAMINE: Trends in Annual Prevalence of Use by Subgroups in Grade 8

	·														2018-								
	1991– 1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 change
Approximate weighted N	=	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	14,400	16,900	15,300	14,000	13,600	· · · · · · · · · · · · · · · · · · ·
Total	_	3.2	2.5	2.8	2.2	2.5	1.5	1.8	1.8	1.1	1.2	1.0	1.2	8.0	1.0	1.0	0.6	0.5	0.4	0.5	0.4	0.5	0.0
Gender:																							
Male	_	3.1	2.2	2.5	2.0	2.0	1.1	1.7	1.4	0.7	0.9	1.0	1.3	0.5	8.0	0.7	0.5	0.5	0.4	0.4	0.3	0.3	-0.1
Female	_	3.2	2.8	3.0	2.4	3.0	1.7	1.9	2.3	1.5	1.5	1.0	1.1	1.0	1.1	1.0	0.6	0.5	0.4	0.6	0.5	0.7	+0.2
College Plans:																							
None or under 4 years	_	7.4	6.8	6.6	6.6	7.9	6.6	6.8	6.3	3.2	3.8	3.1	2.7	3.6	5.0	4.4	3.0	1.2	1.9	1.8	1.8	2.1	+0.2
Complete 4 years	_	2.7	2.0	2.3	1.7	2.0	1.0	1.2	1.3	0.9	1.0	0.9	1.1	0.6	0.7	0.7	0.4	0.4	0.2	0.3	0.2	0.3	0.0
Region:																							
Northeast	_	1.6	2.0	1.2	0.8	1.7	1.0	0.6	0.7	0.5	8.0	0.3	0.6	0.6	0.8	0.4	0.5	0.2	0.2	0.0	0.4	0.4	+0.1
Midwest	_	4.4	3.0	3.2	2.5	3.5	2.1	2.0	1.7	1.5	1.6	0.9	1.6	0.5	0.3	0.7	8.0	0.8	0.4	0.4	0.1	0.1	0.0
South	_	3.4	2.4	3.4	2.8	2.4	1.4	2.0	1.6	1.1	1.4	1.1	1.0	0.9	1.2	1.0	0.4	0.4	0.5	0.6	0.6	0.5	-0.1
West	_	2.8	2.5	2.4	2.0	2.4	1.6	2.1	3.1	1.2	1.0	1.4	1.6	1.1	1.4	1.5	0.9	0.6	0.4	8.0	0.5	0.7	+0.3
Population Density:																							
Large MSA	_	2.2	2.1	1.6	1.3	2.0	1.5	1.3	1.5	0.4	0.7	1.1	0.9	0.6	0.9	1.5	0.7	0.3	0.3	0.4	0.5	0.3	-0.2
Other MSA	_	3.6	2.6	3.4	2.5	2.4	1.7	2.0	2.1	1.4	1.5	1.0	1.3	1.2	1.2	0.6	0.6	0.6	0.3	0.6	0.5	0.7	+0.2
Non-MSA	_	3.5	3.0	2.8	2.7	3.4	1.2	2.1	1.8	1.6	1.4	0.9	1.3	0.3	0.7	0.9	0.5	0.6	0.7	0.5	0.1	0.2	+0.1
Parental Education: a																							
1.0-2.0 (Low)	_	6.3	5.0	4.4	4.3	4.2	4.4	4.1	3.9	1.9	2.1	1.7	2.2	3.1	1.5	2.1	0.2	0.4	0.8	1.2	1.4	1.3	-0.1
2.5–3.0	_	4.3	3.1	4.0	3.0	3.4	1.3	1.5	1.8	1.4	1.7	0.9	1.0	1.5	1.3	0.7	8.0	0.2	0.2	0.5	0.7	0.9	+0.2
3.5–4.0	_	3.3	2.4	3.0	2.0	2.5	1.8	2.9	2.2	1.2	1.3	1.1	1.3	0.5	1.4	0.7	0.6	0.0	0.5	0.6	0.6	0.4	-0.1
4.5–5.0	_	1.9	1.3	1.6	1.9	1.6	1.0	0.9	1.2	0.9	0.9	0.6	1.1	0.4	0.6	0.7	0.6	0.5	0.2	0.3	0.1	0.2	0.0
5.5–6.0 (High)	_	3.2	2.2	1.2	1.1	2.3	0.9	0.7	1.7	8.0	1.1	1.6	1.1	0.4	0.7	8.0	0.2	0.6	0.2	0.2	0.0	0.5	+0.5
Race/Ethnicity (2-year average): b																							
White	_	_	3.2	3.1	2.8	2.7	2.2	1.6	1.6	1.4	1.1	1.0	1.0	0.8	0.7	0.7	0.6	0.6	0.5	0.3	0.2	0.2	0.0
African American	_	_	1.1	8.0	0.6	8.0	0.6	0.5	8.0	0.6	0.5	0.7	0.5	0.6	0.6	0.4	0.3	0.3	0.2	0.2	0.3	0.3	0.0
Hispanic			4.0	3.3	3.2	3.2	3.0	2.8	2.8	2.3	1.7	1.5	1.8	1.9	1.5	1.5	1.1	0.4	0.6	0.7	1.0	1.3	+0.3

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table S1.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 76

METHAMPHETAMINE: Trends in Annual Prevalence of Use by Subgroups in Grade 10

		·														2018–							
	1991-	-																					2019
	<u>1998</u>	<u>1999</u>	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	<u>2010</u>	<u>2011</u>	2012	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>
Approximate weighte	ed N = —	14,000	13,600	14,000	14,300	-,	16,400	16,200	16,200	16,100	15,100	15,900	15,200	,	15,000	12,900	13,000	15,600	14,700	13,500	14,300	14,000	
Total	_	4.6	4.0	3.7	3.9	3.3	3.0	2.9	1.8	1.6	1.5	1.6	1.6	1.4	1.0	1.0	8.0	8.0	0.4	0.4	0.4	0.5	0.0
Gender:																							
Male	_	4.5	4.5	3.8	3.9	3.0	2.7	2.6	1.7	1.4	1.4	1.4	1.5	1.3	1.1	1.0	0.7	0.6	0.4	0.4	0.4	0.5	+0.1
Female	_	4.7	3.6	3.5	3.6	3.7	3.3	3.0	2.0	1.8	1.6	1.7	1.8	1.4	0.9	8.0	8.0	0.9	0.5	0.3	0.4	0.3	-0.1
College Plans:																							
None or under 4 years	_	9.1	8.8	7.0	9.1	9.4	6.0	7.3	5.8	3.9	3.6	4.6	4.8	4.6	4.1	2.4	3.6	3.4	2.2	1.2	1.5	0.2	-1.3
Complete 4 years	_	3.9	3.3	3.1	3.0	2.3	2.6	2.2	1.3	1.2	1.2	1.3	1.2	1.0	0.7	0.9	0.5	0.5	0.2	0.2	0.2	0.4	+0.2
Region:																							
Northeast	_	5.1	4.1	2.3	1.5	2.1	2.5	3.0	1.5	1.4	0.5	1.3	1.4	2.0	1.0	0.4	0.1	0.3	0.2	0.1	0.3	0.1	-0.2
Midwest	_	4.6	4.0	3.8	3.0	3.4	2.2	3.4	1.7	0.9	1.4	1.8	1.1	0.9	0.5	0.7	0.9	0.6	0.9	8.0	0.3	0.6	+0.4
South	_	4.0	3.8	4.0	4.6	3.8	2.9	2.2	2.3	1.9	1.9	1.4	1.5	1.4	1.0	0.9	1.2	1.2	0.3	0.2	0.6	0.1	-0.4
West	_	5.1	4.4	4.6	5.8	3.8	4.7	3.0	1.7	2.3	1.8	2.1	2.6	1.4	1.4	1.9	0.6	8.0	0.3	0.3	0.4	1.0	+0.6
Population Density:																							
Large MSA	_	3.8	4.4	4.0	3.1	2.3	2.7	2.9	2.2	1.7	1.2	1.5	1.5	1.0	1.1	1.0	0.7	0.7	0.1	0.3	0.4	0.2	-0.1
Other MSA	_	4.8	3.4	3.6	4.4	3.8	3.4	3.0	1.5	1.5	1.8	1.6	1.9	1.7	0.6	1.2	0.5	8.0	0.4	0.4	0.3	0.6	+0.2
Non-MSA	_	5.2	4.8	3.6	3.7	3.7	2.5	2.5	2.1	1.8	1.3	1.6	1.3	1.4	1.7	0.6	1.6	0.9	1.3	0.4	0.7	0.5	-0.2
Parental Education: ^a																							
1.0–2.0 (Low)	_	7.2	7.0	5.6	6.2	7.3	4.5	4.2	3.8	3.8	2.6	3.7	3.4	2.9	2.5	1.9	1.2	1.0	0.7	0.3	0.7	0.4	-0.3
2.5–3.0	_	4.2	4.3	4.6	4.9	4.1	3.7	3.8	2.7	1.6	2.3	2.7	2.3	1.2	1.7	1.4	0.4	1.0	0.3	0.9	0.3	0.1	-0.2
3.5–4.0	_	4.8	4.3	3.2	3.7	3.2	3.3	2.0	1.4	1.7	1.0	1.4	1.9	1.3	0.7	1.0	1.2	1.1	0.5	0.1	0.7	0.3	-0.4
4.5–5.0	_	4.8	3.5	3.6	2.4	2.2	2.3	3.2	1.4	1.0	1.6	0.7	8.0	1.3	8.0	0.3	0.4	0.6	0.2	0.2	0.1	0.3	+0.2
5.5-6.0 (High)	_	3.3	3.5	2.5	4.0	2.1	1.7	1.3	1.3	1.0	0.6	0.7	0.8	1.0	0.3	1.2	0.6	0.3	0.6	0.1	0.7	1.2	+0.6
Race/Ethnicity (2-year average): ^b																							
White	_	_	4.7	4.1	4.1	4.2	3.4	2.9	2.4	1.8	1.6	1.4	1.5	1.5	1.2	0.9	0.9	0.8	0.6	0.4	0.3	0.4	+0.1
African American	_	_	0.4	1.0	1.1	0.6	0.8	1.1	1.0	8.0	0.5	0.4	0.6	0.7	0.3	0.3	0.6	0.9	0.4	0.5	0.4	0.0	-0.4
Hispanic	_	_	3.9	3.0	4.4	4.6	4.6	5.0	3.3	1.9	2.3	2.7	2.5	1.9	1.8	2.1	1.2	1.0	0.8	0.3	0.4	0.3	-0.2

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table S2.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 77

METHAMPHETAMINE: Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months														2018–								
	1975–																						2019
	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>2001</u>	2002	2003	2004	2005	2006	2007	2008	2009	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>
Approximate weighted N =	_	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300		
Total	_	4.7	4.3	3.9	3.6	3.2	3.4	2.5	2.5	1.7	1.2	1.2	1.0	1.4	1.1	0.9	1.0	0.6	0.6	0.6	0.5	0.5	-0.1
Gender:																							
Male		5.0	4.4	4.3	4.3	3.6	3.7	2.7	2.0	1.8	1.8	1.3	1.5	1.6	1.2	1.3	1.3	0.7	0.9	0.6	0.7	0.7	-0.1
Female	_	4.5	4.2	3.4	3.0	2.9	3.1	2.3	3.0	1.6	0.7	1.0	0.5	1.1	0.9	0.4	0.7	0.4	0.4	0.5	0.2	0.2	0.0
College Plans:																							
None or under 4 years	_	6.8	6.2	6.9	6.5	5.8	6.7	4.9	3.7	3.9	1.9	3.1	1.8	1.9	2.3	1.6	1.3	2.0	1.3	1.6	1.0	8.0	-0.1
Complete 4 years		4.0	3.8	3.2	2.7	2.4	2.4	2.0	2.1	1.2	1.0	8.0	8.0	1.3	0.8	0.6	0.9	0.3	0.5	0.4	0.4	0.3	-0.1
Region:																							
Northeast	_	3.1	4.5	3.4	1.6	1.8	1.3	0.6	1.4	1.4	1.1	1.0	1.2	2.1	0.5	1.3	0.9	0.0	0.6	0.6	0.1	0.1	0.0
Midwest	_	5.1	4.1	4.7	4.5	4.2	3.3	4.4	1.2	1.2	8.0	1.2	1.1	1.2	0.9	8.0	0.7	1.2	0.4	0.6	1.3	0.5	-0.8
South	_	3.9	3.7	3.4	3.0	2.8	4.0	2.2	3.1	2.1	1.2	1.4	0.9	1.1	0.9	0.5	1.2	0.4	0.4	0.6	0.5	0.7	+0.2
West	_	7.1	5.4	4.4	5.4	4.0	4.9	2.7	3.8	1.5	1.9	1.0	1.2	1.5	1.8	1.4	0.7	0.7	1.4	0.7	0.2	0.2	0.0
Population Density:																							
Large MSA		4.2	3.6	2.7	2.1	1.8	2.8	1.5	3.4	1.3	1.3	1.1	1.0	0.9	1.2	8.0	0.9	0.5	0.7	0.6	0.4	0.6	+0.1
Other MSA	_	4.0	4.9	4.0	4.4	3.0	2.6	2.4	2.0	1.7	1.2	1.1	1.1	2.0	1.2	0.9	1.0	0.5	8.0	0.7	0.6	0.3	-0.3
Non-MSA	_	6.4	4.3	5.3	4.1	5.3	5.5	4.1	2.0	2.2	1.3	1.4	1.0	0.6	0.5	1.2	0.8	1.0	0.2	0.4	0.6	0.7	+0.1
Parental Education: a																							
1.0–2.0 (Low)	_	6.0	7.7	5.0	3.5	4.3	5.5	4.0	2.7	3.1	1.6	3.5	2.0	3.1	1.4	1.4	1.6	1.1	2.2	1.0	0.9	1.0	+0.1
2.5–3.0	_	4.8	3.5	4.8	4.9	3.6	4.1	3.0	2.4	2.2	0.6	1.4	1.1	1.0	0.6	1.2	1.1	0.8	0.3	0.2	0.4	0.3	-0.1
3.5–4.0	_	5.2	3.9	3.8	3.8	3.6	3.1	3.0	2.9	1.4	1.3	0.8	0.9	1.2	1.3	0.6	0.7	0.5	0.3	8.0	0.4	0.4	0.0
4.5–5.0	_	3.7	4.2	3.1	2.9	2.9	2.8	2.1	2.2	1.7	0.8	1.0	1.0	1.2	1.2	0.7	0.9	0.6	0.4	0.6	0.6	0.1	-0.5
5.5–6.0 (High)	_	4.2	5.5	3.2	3.1	1.0	3.0	1.2	1.2	0.8	1.6	0.4	0.4	1.3	0.7	0.9	0.9	0.2	0.7	0.1	0.3	0.3	0.0
Race/Ethnicity (2-year average): b																							
White	_	_	4.9	4.6	4.2	3.5	3.5	3.3	2.6	2.1	1.5	1.1	1.1	1.3	1.2	0.9	0.7	0.6	0.4	0.5	0.7	0.4	-0.3 s
African American	_	_	1.1	1.0	0.5	1.4	1.8	0.7	0.4	0.7	1.1	1.1	0.5	0.4	0.5	0.4	1.1	1.0	0.3	0.2	0.2	0.6	+0.4
Hispanic	_	_	4.9	4.6	3.9	3.4	3.4	3.4	3.7	2.7	1.1	1.2	1.1	1.2	1.2	1.2	1.5	1.0	0.8	0.8	0.5	0.5	+0.0

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on two of six forms; N is two sixths of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 78

CRYSTAL METHAMPHETAMINE (ICE): Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

							Percen	tage wh	o used ir	last 12	months						
	1975–																
	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>	1994	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	2001	2002	2003	2004	<u>2005</u>
Approximate weighted N =	_	15,200	15,000	15,800	16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700
Total	_	1.3	1.4	1.3	1.7	1.8	2.4	2.8	2.3	3.0	1.9	2.2	2.5	3.1	2.0	2.1	2.3
Gender:																	
Male	_	1.5	1.9	1.5	1.9	2.2	2.6	3.9	2.6	3.9	2.2	2.5	2.7	3.5	2.5	2.6	2.5
Female	_	1.0	0.9	1.0	1.2	1.3	2.1	1.7	2.1	2.1	1.6	1.9	2.1	2.5	1.5	1.6	2.0
College Plans:																	
None or under 4 years	_	1.4	1.9	2.2	2.6	2.4	4.3	5.1	3.8	5.0	2.3	3.8	4.2	4.8	2.6	4.4	4.2
Complete 4 years	_	1.2	1.2	1.0	1.4	1.5	1.8	2.1	1.9	2.4	1.8	1.7	2.0	2.6	1.9	1.5	1.8
Region:																	
Northeast	_	1.6	1.1	0.9	1.1	0.9	1.4	3.2	2.8	2.6	1.0	1.0	1.9	2.6	1.3	0.9	1.2
Midwest	_	1.1	1.4	1.1	1.5	2.3	2.2	2.1	1.9	2.7	1.7	2.8	2.1	2.0	1.0	1.8	2.2
South	_	0.5	1.0	1.0	1.2	1.2	1.8	2.0	1.6	3.1	2.3	2.0	1.7	3.5	2.3	2.3	2.7
West	_	2.5	2.2	2.6	3.2	2.8	4.7	4.9	3.7	3.4	2.5	2.9	4.7	4.0	3.4	3.5	3.1
Population Density:																	
Large MSA	_	1.2	1.3	1.5	2.2	2.0	3.0	4.6	2.9	2.5	1.6	2.3	2.7	2.2	1.9	2.3	2.1
Other MSA	_	1.3	1.7	1.3	1.7	1.8	2.0	2.0	2.0	3.3	2.1	1.7	2.3	3.6	2.0	1.4	2.3
Non-MSA	_	1.2	0.8	1.2	1.2	1.6	2.3	2.6	2.1	2.8	2.0	3.0	2.5	3.2	2.1	3.2	2.7
Parental Education: a																	
1.0-2.0 (Low)	_	1.1	1.0	0.9	1.6	1.0	3.2	3.4	2.2	2.8	3.6	3.2	5.9	3.7	3.7	4.0	2.6
2.5-3.0	_	1.4	1.1	1.1	1.2	3.0	2.6	3.0	2.5	3.2	1.3	1.7	2.4	3.6	1.7	2.7	2.6
3.5-4.0	_	1.4	1.2	1.5	2.3	1.6	1.9	2.6	2.2	3.6	2.5	1.9	2.8	2.4	2.2	2.4	3.1
4.5-5.0	_	1.2	1.8	1.4	1.8	1.3	2.5	2.9	2.9	2.6	1.3	2.8	1.5	2.8	1.5	1.0	1.4
5.5-6.0 (High)	_	1.1	1.0	1.4	1.3	1.0	2.2	2.5	1.4	1.9	2.1	1.3	2.0	2.8	1.8	0.9	1.1
Race/Ethnicity (2-year average): ^b																
White	_	_	1.3	1.3	1.5	1.7	2.0	2.5	2.6	2.9	2.8	2.3	2.4	2.6	2.3	2.0	2.0
African American	_	_	0.8	1.0	0.8	0.5	0.5	0.3	0.5	1.0	0.7	0.7	1.1	1.6	1.4	0.7	1.0
Hispanic	_	_	1.3	1.8	2.3	2.1	2.7	4.0	2.8	1.7	1.7	2.4	3.4	3.6	2.5	2.6	3.4

Table continued on next page.

TABLE 78 (cont.) CRYSTAL METHAMPHETAMINE (ICE): Trends in Annual Prevalence of Use by Subgroups in Grade 12

					Per	centage	who us	ed in las	t 12 mor	nths					
															2018-2019
	<u>2006</u>	2007	<u>2008</u>	2009	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>
Approximate weighted N =		14,500	14,000	13,700	14,400	14,100		12,600		-	11,800	,	13,300	,	
Total	1.9	1.6	1.1	0.9	0.9	1.2	8.0	1.1	8.0	0.5	8.0	8.0	0.6	0.6	+0.1
Gender:															
Male	1.5	1.8	1.4	1.1	1.1	1.0	1.0	1.3	8.0	0.5	1.0	0.4	0.6	0.7	+0.1
Female	2.2	1.4	0.7	8.0	0.6	1.1	0.7	8.0	0.7	0.5	0.6	1.2	0.2	0.4	+0.2
College Plans:															
None or under 4 years	3.5	3.7	1.7	1.8	2.1	2.9	1.9	2.4	1.7	1.0	1.6	1.3	1.4	1.6	+0.2
Complete 4 years	1.3	1.2	8.0	0.7	0.6	0.9	0.5	8.0	0.5	0.4	0.6	0.7	0.2	0.4	+0.2
Region:															
Northeast	1.0	1.1	1.4	0.5	0.6	0.4	0.9	1.0	0.3	0.4	0.4	0.5	0.5	0.4	0.0
Midwest	1.0	1.5	0.5	1.0	0.9	8.0	1.0	0.6	0.9	1.2	8.0	0.6	0.6	0.6	0.0
South	2.9	1.7	0.9	8.0	0.9	1.4	0.6	1.1	8.0	0.4	1.0	1.1	0.7	0.7	0.0
West	1.9	2.1	1.7	1.5	1.2	1.8	0.9	1.6	1.1	0.4	1.0	0.6	0.4	0.7	+0.4
Population Density:															
Large MSA	2.2	1.3	0.6	0.9	0.9	1.1	1.2	1.3	1.2	8.0	0.8	0.7	0.6	0.9	+0.3
Other MSA	1.5	1.7	1.2	8.0	0.9	1.3	0.7	1.2	0.7	0.3	0.7	0.7	0.2	0.4	+0.1
Non-MSA	2.1	1.9	1.3	1.3	1.1	1.0	0.7	0.7	0.6	0.7	1.3	1.1	1.2	8.0	-0.4
Parental Education: a															
1.0-2.0 (Low)	4.2	3.2	1.4	2.8	1.9	3.6	1.1	3.8	3.0	1.4	1.2	1.6	0.9	0.7	-0.3
2.5-3.0	2.6	2.1	0.6	0.8	1.6	0.3	1.6	1.3	0.8	1.0	0.7	0.7	0.4	1.2	+0.8
3.5-4.0	1.4	1.4	1.0	1.2	0.4	1.5	0.6	0.9	0.6	0.4	1.0	1.2	0.7	0.6	-0.1
4.5-5.0	1.0	1.5	0.7	0.3	0.5	0.5	0.4	0.4	0.3	0.3	0.6	0.2	0.4	0.3	-0.1
5.5-6.0 (High)	1.4	0.8	1.2	0.6	0.7	1.3	0.2	0.4	0.2	0.0	1.0	0.5	0.3	0.3	0.0
Race/Ethnicity (2-year average)): ^b														
White	1.9	1.7	1.3	0.7	0.5	0.6	0.7	0.6	0.6	0.3	0.3	0.5	0.4	0.3	-0.2
African American	1.0	0.6	0.6	0.7	0.9	1.1	0.8	1.0	1.3	0.6	0.6	0.8	8.0	1.5	+0.7
Hispanic	3.3	2.9	1.8	1.4	1.7	2.4	2.1	1.4	2.0	2.0	1.6	1.2	0.9	0.6	-0.3

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on two of six forms; N is two sixths of N indicated in Table S3.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 79 BATH SALTS (SYNTHETIC STIMULANTS): Trends in Annual Prevalence of Use by Subgroups in Grade 8

			Perce	ntage wh	o used in	last 12 m	onths			
•										2018–
	1991–									2019
	2011	2012	2013	2014	<u>2015</u>	<u>2016</u>	2017	2018	<u>2019</u>	change
Approximate weighted N =	_	15,100	14,600	14,600	14,400	16,900	15,300	14,000	_	
Total	_	8.0	1.0	0.5	0.4	0.9	0.5	0.9	_	_
Gender:										
Male	_	0.6	1.1	0.5	0.5	1.2	0.9	1.4	_	_
Female	_	0.9	0.9	0.5	0.3	0.7	0.3	0.4	_	_
College Plans:										
None or under 4 years	_	3.6	3.1	2.3	1.0	3.2	2.5	3.3	_	_
Complete 4 years	_	0.6	8.0	0.4	0.3	0.6	0.3	0.6	_	_
Region:										
Northeast	_	0.3	0.7	0.9	0.1	0.5	0.4	0.6	_	_
Midwest	_	0.5	0.6	0.3	0.2	0.7	0.3	0.2	_	_
South	_	1.3	1.0	0.5	0.6	1.0	0.5	1.6	_	_
West	_	0.7	1.5	0.4	0.3	1.1	0.9	0.7	_	_
Population Density:										
Large MSA	_	1.0	1.4	8.0	0.5	1.2	0.5	1.1	_	_
Other MSA	_	0.7	8.0	0.4	0.3	0.7	0.6	8.0	_	_
Non-MSA	_	8.0	8.0	0.3	0.3	1.0	0.4	8.0	_	_
Parental Education: a										
1.0-2.0 (Low)	_	0.9	2.7	1.0	0.5	2.5	1.6	1.1	_	_
2.5–3.0	_	0.6	0.6	0.4	0.4	0.6	0.4	0.3	_	_
3.5–4.0	_	8.0	8.0	0.2	0.5	1.3	0.4	1.1	_	_
4.5–5.0	_	0.6	1.0	0.7	0.3	0.3	0.4	8.0	_	_
5.5-6.0 (High)	_	8.0	0.4	0.6	0.2	0.5	0.5	0.9	_	_
Race/Ethnicity (2-year data): b										
White	_	_	0.5	0.4	0.3	0.4	0.4	0.4	_	_
African American	_	_	1.3	1.0	0.7	1.4	1.6	1.9	_	_
Hispanic	_	_	1.7	1.3	0.5	8.0	8.0	0.9	_	_

Source. The Monitoring the Future study, the University of Michigan.

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in S1.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to

TABLE 80

BATH SALTS (SYNTHETIC STIMULANTS): Trends in Annual Prevalence of Use by Subgroups in Grade 10

			Perce	ntage wh	o used in	last 12 mo	onths			
•										2018–
	1991–									2019
	<u>2011</u>	2012	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	2017	2018	<u>2019</u>	<u>change</u>
Approximate weighted N =	_	15,000	12,900	13,000	15,600	14,700	13,500	14,300	_	
Total	_	0.6	0.9	0.9	0.7	8.0	0.4	0.5	_	_
Gender:										
Male	_	0.9	1.3	1.0	8.0	1.1	0.4	0.7	_	_
Female	_	0.4	0.6	0.7	0.5	0.4	0.4	0.3	_	_
College Plans:										
None or under 4 years	_	1.9	3.7	3.6	3.6	2.4	8.0	1.6	_	_
Complete 4 years	_	0.5	0.6	0.5	0.4	0.6	0.4	0.4	_	_
Region:										
Northeast	_	0.7	1.4	0.6	0.4	1.3	0.2	0.7	_	_
Midwest	_	8.0	8.0	0.7	0.4	0.7	0.4	0.4	_	_
South	_	0.5	8.0	1.0	0.9	0.6	0.3	0.6	_	_
West	_	0.6	0.9	1.1	0.9	0.7	0.9	0.6	_	_
Population Density:										
Large MSA	_	1.0	0.7	1.0	0.5	0.4	0.4	0.6	_	_
Other MSA	_	0.3	8.0	0.6	0.7	8.0	0.3	0.5	_	_
Non-MSA	_	8.0	1.7	1.4	0.9	1.5	0.7	0.5	_	_
Parental Education: a										
1.0-2.0 (Low)	_	0.7	0.4	0.9	1.8	1.0	1.0	1.2	_	_
2.5–3.0	_	0.9	2.0	0.6	1.2	0.7	0.4	0.5	_	_
3.5-4.0	_	0.4	0.6	1.5	0.4	1.0	0.6	0.5	_	_
4.5–5.0	_	0.7	0.4	0.4	0.3	0.3	0.2	0.4	_	_
5.5-6.0 (High)	_	0.2	1.1	0.9	0.5	1.0	0.1	0.2	_	_
Race/Ethnicity (2-year data): b										
White	_	_	0.7	8.0	0.6	0.6	0.6	0.3	_	_
African American	_	_	8.0	1.4	1.7	1.3	0.9	0.5	_	_
Hispanic	_	_	0.7	0.6	0.5	8.0	0.9	0.9	_	_

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases.

See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in S2.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to

TABLE 81

BATH SALTS (SYNTHETIC STIMULANTS): Trends in Annual Prevalence of Use by Subgroups in Grade 12

			ı	Percentag	je who us	ed in last	12 months	S		
										2018–
	1991–									2019
	2011	2012	2013	2014	2015	2016	2017	2018	2019	change
Approximate weighted N =	_	13,700	12,600	12,400	12,900	11,800	12,600	13,300	_	
Total	_	1.3	0.9	0.9	1.0	0.8	0.6	0.6	_	_
Gender:										
Male	_	1.2	1.0	1.1	1.2	0.8	0.6	0.4	_	_
Female	_	1.1	0.6	0.5	0.6	0.3	0.7	0.5	_	_
College Plans:										
None or under 4 years	_	1.8	1.8	1.5	1.6	2.1	1.8	1.4	_	_
Complete 4 years	_	1.1	0.6	0.6	8.0	0.3	0.3	0.3	_	_
Region:										
Northeast	_	1.2	0.7	1.4	0.1	0.6	0.6	0.3	_	_
Midwest	_	1.3	1.0	0.7	1.5	1.0	0.4	0.5	_	_
South	_	1.7	1.0	1.2	1.3	0.9	0.7	8.0	_	_
West	_	1.0	8.0	0.2	0.7	0.4	0.6	0.5	_	_
Population Density:										
Large MSA	_	1.3	0.9	1.0	1.1	0.5	0.6	0.7	_	_
Other MSA	_	1.4	0.7	1.0	8.0	0.9	0.5	0.2	_	_
Non-MSA	_	1.2	1.3	0.5	1.4	0.7	0.9	1.2	_	_
Parental Education: a										
1.0-2.0 (Low)	_	2.1	1.7	2.0	1.6	1.9	1.5	1.2	_	_
2.5–3.0	_	1.7	0.9	1.5	0.9	1.0	0.9	1.0	_	_
3.5-4.0	_	8.0	1.0	0.3	0.6	0.6	0.4	0.1	_	_
4.5–5.0	_	1.2	0.6	0.5	1.0	0.3	0.4	0.4	_	_
5.5-6.0 (High)	_	1.3	0.2	0.2	0.4	0.1	0.2	0.3	_	_
Race/Ethnicity (2-year data): b										
White	_	_	1.0	0.5	0.6	0.7	0.5	0.4	_	_
African American	_	_	1.6	2.2	2.3	1.7	1.2	1.0	_	_

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on two of six forms; N is two sixths of N

1.2

8.0

0.6

0.8

8.0

0.7

indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

is defined.

Hispanic

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity

TABLE 82

SEDATIVES (BARBITURATES): a,b Trends in Annual Prevalence of Use by Subgroups in Grade 12

						Pe	ercentage	who us	ed in last	12 mont	ths					
Approximate weighted N =	<u>1975</u> 9.400	<u>1976</u> 15.400	<u>1977</u> 17.100	<u>1978</u> 17.800	<u>1979</u> 15.500	<u>1980</u> 15,900	<u>1981</u> 17.500	<u>1982</u> 17.700	<u>1983</u> 16,300	<u>1984</u> 15.900	<u>1985</u> 16.000	<u>1986</u> 15.200	<u>1987</u> 16.300	1988 16,300	<u>1989</u> 16.700	<u>1990</u> 15,200
Total	10.7	9.6	9.3	8.1	7.5	6.8	6.6	5.5	5.2	4.9	4.6	4.2	3.6	3.2	3.3	3.4
Gender:																
Male	12.3	9.9	10.2	8.4	7.6	7.3	7.2	5.9	5.9	5.5	5.2	4.7	4.0	3.4	3.5	3.8
Female	9.9	9.2	8.4	7.7	7.0	6.0	5.8	5.0	4.2	4.0	3.9	3.8	3.2	3.0	3.0	3.0
College Plans:																
None or under 4 years	_	11.6	11.4	9.1	9.3	9.0	8.1	7.4	6.7	6.2	6.2	6.1	4.7	4.1	4.8	4.7
Complete 4 years	_	7.3	6.8	6.8	5.2	4.8	5.1	3.8	3.8	3.7	3.6	3.0	3.0	2.7	2.5	2.8
Region:																
Northeast	11.5	10.4	9.2	9.6	9.6	6.9	6.8	5.6	4.7	5.1	5.3	5.2	4.2	2.5	3.2	2.9
Midwest	12.8	10.4	10.7	7.9	6.9	7.3	7.5	5.4	6.1	4.9	4.9	4.2	3.3	2.5	3.2	3.5
South	9.9	9.7	9.3	7.8	7.3	7.0	5.5	6.3	5.2	5.2	4.2	4.1	3.7	4.1	3.7	4.0
West	10.0	6.7	6.6	6.6	5.7	5.2	6.5	3.9	4.0	4.2	4.1	3.3	3.2	3.2	2.7	2.9
Population Density:																
Large MSA	11.1	10.2	8.1	8.1	8.3	6.6	6.9	5.3	5.2	4.4	4.4	3.7	3.3	2.8	2.6	2.6
Other MSA	11.3	9.8	9.9	8.2	7.3	6.5	6.4	5.7	5.3	4.9	4.2	4.4	3.6	3.4	3.1	3.6
Non-MSA	9.8	9.0	9.5	8.1	7.0	7.2	6.6	5.5	5.0	5.5	5.4	4.5	3.9	3.2	4.4	3.9
Parental Education: c																
1.0-2.0 (Low)	10.3	9.1	8.0	7.5	7.8	8.0	6.5	5.8	6.1	4.7	5.0	4.8	3.8	4.3	4.1	3.1
2.5–3.0	10.3	10.2	10.3	8.2	7.3	7.2	6.5	5.7	5.7	5.2	5.3	4.6	3.6	3.1	3.4	3.7
3.5-4.0	9.5	9.6	9.0	8.3	7.4	6.3	6.5	5.1	4.6	5.0	4.4	4.4	3.2	2.9	3.2	3.9
4.5–5.0	10.7	10.1	9.1	7.8	6.6	5.9	6.4	5.0	4.4	4.3	4.1	3.3	3.9	3.3	2.8	3.1
5.5-6.0 (High)	9.0	10.3	8.3	8.0	7.2	5.4	6.8	5.8	3.7	4.0	3.1	3.4	3.6	3.1	3.4	2.9
Race/Ethnicity (2-year average): d																
White	_	_	10.2	9.3	8.2	7.5	7.2	6.5	5.8	5.5	5.1	4.7	4.2	3.7	3.5	3.7
African American	_	_	3.3	3.2	2.6	2.5	2.4	2.0	1.7	1.6	1.6	1.6	1.7	1.5	1.1	1.1
Hispanic	_	_	7.4	5.8	5.8	5.8	5.7	5.1	4.1	4.4	4.6	3.6	2.8	2.8	3.2	2.8

TABLE 82 (cont.)

SEDATIVES (BARBITURATES): a,b Trends in Annual Prevalence of Use by Subgroups in Grade 12

						Pe	ercentage	e who us	ed in last	12 mon	ths					
	<u>1991</u>	<u>1992</u>	<u>1993</u>	1994	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	2003	2004	2005	<u>2006</u>
Approximate weighted N =		15,800	16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200
Total	3.4	2.8	3.4	4.1	4.7	4.9	5.1	5.5	5.8	6.2	5.7	6.7	6.0	6.5	7.2	6.6
Gender:																
Male	3.4	2.9	3.4	4.3	5.1	5.2	5.3	6.3	6.3	6.9	6.3	7.4	6.7	7.0	7.7	6.4
Female	3.2	2.6	3.3	3.8	4.2	4.4	4.8	4.8	5.3	5.4	5.1	5.9	5.4	6.0	6.6	6.7
College Plans:																
None or under 4 years	4.3	3.9	3.8	5.4	5.9	6.7	6.6	6.9	7.0	7.0	7.1	9.8	9.6	9.3	10.7	10.0
Complete 4 years	2.9	2.3	3.2	3.7	4.4	4.3	4.6	5.1	5.5	6.0	5.4	6.0	5.1	5.6	6.3	5.7
Region:																
Northeast	2.8	2.7	3.5	4.0	4.1	5.6	5.7	5.5	4.7	5.6	5.3	5.9	4.8	5.4	5.7	5.7
Midwest	3.5	2.7	3.5	4.1	4.5	4.9	4.4	4.8	6.0	5.2	5.6	6.4	5.1	5.9	7.5	6.2
South	3.6	3.0	3.6	4.8	5.3	5.4	5.8	6.8	6.8	7.5	6.1	8.4	7.1	7.8	8.5	7.5
West	3.3	2.5	2.7	2.8	4.3	3.3	4.2	4.2	4.9	5.7	5.6	5.1	6.5	6.3	5.9	6.2
Population Density:																
Large MSA	2.4	2.4	2.6	3.6	4.1	3.6	4.2	4.6	3.7	5.1	5.9	6.5	4.2	5.5	6.1	6.6
Other MSA	3.9	2.6	3.1	4.3	4.9	5.4	5.0	5.6	6.2	6.6	6.1	6.7	6.6	7.1	7.5	6.6
Non-MSA	3.3	3.4	4.3	4.1	5.0	5.4	6.4	6.8	7.4	6.8	4.9	7.0	7.4	6.6	7.8	6.6
Parental Education: c																
1.0-2.0 (Low)	3.6	3.9	3.8	4.5	4.9	4.8	4.3	6.4	7.5	5.2	6.3	5.1	6.7	6.6	6.2	7.3
2.5–3.0	3.7	2.4	3.6	4.5	5.2	4.9	4.9	6.3	6.2	7.1	5.3	7.1	6.5	7.0	8.1	6.5
3.5-4.0	3.0	2.8	2.8	4.0	4.6	4.9	6.0	5.6	6.4	5.8	6.1	7.7	7.2	8.0	7.7	7.3
4.5–5.0	3.3	2.9	3.4	4.0	4.4	5.0	5.1	5.0	5.0	6.7	5.9	6.3	4.7	5.1	7.0	6.2
5.5-6.0 (High)	3.6	2.4	3.8	3.6	4.1	4.6	4.6	5.0	5.1	5.5	5.8	6.6	4.3	5.5	6.3	6.0
Race/Ethnicity (2-year average): d																
White	3.8	3.5	3.6	4.3	4.9	5.4	5.9	6.5	6.7	6.9	7.0	7.5	7.6	7.4	7.9	7.9
African American	1.2	1.1	1.0	1.5	1.6	1.1	1.0	1.4	1.4	1.3	1.5	1.4	1.7	2.4	2.6	2.5
Hispanic	2.4	2.2	1.9	2.6	3.5	4.0	3.7	3.3	4.0	5.1	4.7	4.5	4.1	4.7	5.8	5.8

TABLE 82 (cont.)

SEDATIVES (BARBITURATES): ^{a,b} Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

					Percer	tage who	o used in	last 12 r	months					
	2007	2008	2009	<u>2010</u>	<u>2011</u>	<u>2012</u>	2013 ^e	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	2018-2019 <u>change</u>
Approximate weighted N =	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	6.2	5.8	5.2	4.8	4.3	4.5	4.8	4.3	3.6	3.0	2.9	2.7	2.5	-0.2
Gender:														
Male	6.3	5.9	5.6	4.8	4.2	4.2	4.7	4.4	3.1	2.7	2.9	2.4	2.5	+0.2
Female	6.2	5.7	4.9	4.6	4.4	4.7	4.9	4.2	4.1	3.2	2.9	2.5	2.3	-0.3
College Plans:														
None or under 4 years	8.2	8.9	7.6	6.7	7.5	5.1	6.1	5.9	4.1	3.6	3.9	3.5	3.3	-0.3
Complete 4 years	5.7	5.2	4.7	4.3	3.7	4.3	4.4	3.9	3.5	2.9	2.8	2.4	2.2	-0.2
Region:														
Northeast	5.5	5.1	4.3	4.2	3.4	4.1	3.9	3.0	3.3	2.2	1.6	2.5	1.7	-0.8
Midwest	5.9	5.7	6.5	5.3	4.7	4.4	4.7	4.1	2.9	3.7	2.7	2.9	2.1	-0.8 s
South	7.2	6.8	5.6	5.3	4.2	4.4	5.5	5.1	3.8	2.9	3.2	2.5	2.8	+0.2
West	5.4	5.0	4.0	4.2	4.7	5.0	4.5	4.1	4.3	3.2	3.7	2.7	3.1	+0.4
Population Density:														
Large MSA	5.7	4.3	4.5	4.1	3.4	4.3	4.7	3.6	3.3	2.5	2.3	2.3	2.3	-0.1
Other MSA	6.3	6.2	5.4	5.0	4.6	4.8	5.2	5.0	4.0	3.4	3.4	2.6	2.5	-0.1
Non-MSA	6.9	6.7	5.9	5.5	4.9	4.0	3.9	3.5	3.3	3.0	3.1	3.2	2.7	-0.5
Parental Education: °														
1.0-2.0 (Low)	6.3	6.0	4.8	4.3	4.8	5.1	4.9	4.3	3.3	3.4	3.4	2.8	2.5	-0.3
2.5–3.0	5.7	6.3	5.7	5.5	4.6	5.0	5.0	4.8	3.2	3.0	3.2	2.5	2.7	+0.1
3.5–4.0	6.5	6.2	5.5	5.2	4.6	4.8	5.1	4.0	4.6	3.4	3.3	2.9	2.5	-0.4
4.5–5.0	7.0	5.0	5.6	4.5	4.2	4.3	4.6	4.6	3.1	2.7	2.2	2.8	2.2	-0.6
5.5-6.0 (High)	5.3	5.4	3.5	3.6	3.0	3.7	4.6	3.7	4.1	3.3	2.8	2.1	2.3	+0.2
Race/Ethnicity (2-year average): d														
White	7.5	7.3	6.6	5.8	5.2	4.9	5.1	5.0	4.5	3.8	3.2	2.8	2.6	-0.3
African American	2.5	2.2	2.0	2.7	2.5	2.1	2.5	3.1	2.6	2.0	1.7	1.5	2.0	+0.5
Hispanic	5.2	4.3	4.0	3.8	3.5	3.7	3.8	3.8	3.3	2.7	3.1	2.9	2.4	-0.5

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aOnly drug use not under a doctor's orders is included here.

bln 2004 the barbiturate question text was changed on half of the questionnaire forms. Barbiturates was changed to Sedatives, including barbiturates, and "have you taken barbiturates..." was changed to "have you taken sedatives...." In the list of examples downs, downers, goofballs, yellow, reds, blues, rainbows were changed to downs, or downers, and include Phenobarbital, Tuinal, Nembutal, and Seconal. An examination of the data did not show any effect from the wording change. In 2005 the remaining forms were changed in a like manner.

^cParental education is an average score of mother's education and father's education. See appendix B for details.

^dTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

e In 2013 the question text was changed in all forms: Tuinal, Nembutal, and Seconal were replaced with Ambien, Lunesta, and Sonata. In one form the list of examples was also changed: Tuinal was dropped from the list and Dalmane, Restoril, Halcion, Intermezzo, and Zolpimist were added. An examination of the data did not show any effect from the wording changes.

TABLE 83
TRANQUILIZERS: ^a Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 8</u>

Percenta	age who	used in	last 12	months
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	<u>1991</u>	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ^b	2002	2003	2004	2005
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800
Total	1.8	2.0	2.1	2.4	2.7	3.3	2.9	2.6	2.5	2.6‡	2.8	2.6	2.7	2.5	2.8
Gender:															
Male	1.5	1.6	1.8	1.9	2.0	2.3	2.6	2.3	2.1	2.1‡	2.5	2.2	2.2	1.9	2.1
Female	2.1	2.3	2.4	2.8	3.3	4.0	3.2	3.0	2.9	3.1‡	2.9	2.8	3.0	3.2	3.4
College Plans:															
None or under 4 years	3.9	4.9	3.6	5.1	5.9	6.4	5.8	6.4	5.8	6.8‡	5.8	6.5	6.3	6.2	6.9
Complete 4 years	1.5	1.5	1.9	2.0	2.3	2.8	2.6	2.2	2.0	2.2‡	2.5	2.1	2.3	2.1	2.4
Region:															
Northeast	1.0	1.6	1.7	2.5	2.3	2.7	2.5	2.0	2.3	2.2‡	2.0	1.8	1.9	1.7	1.6
Midwest	1.4	1.9	1.3	1.7	2.6	3.5	2.4	2.6	2.6	2.2‡	2.2	2.4	2.2	2.1	2.8
South	2.6	2.5	2.4	2.6	3.0	3.7	3.3	3.2	2.8	3.2‡	3.4	3.4	3.5	3.4	3.7
West	1.8	1.6	3.0	2.7	2.4	2.9	3.0	2.3	1.9	2.5‡	3.2	1.9	2.6	2.2	2.2
Population Density:															
Large MSA	1.8	2.1	1.7	2.5	1.8	3.2	2.1	1.9	1.8	2.5‡	2.8	2.0	1.8	1.8	2.0
Other MSA	1.7	1.8	2.5	2.6	3.2	3.4	3.2	2.6	2.4	2.7‡	3.1	2.7	2.9	3.1	3.1
Non-MSA	2.2	2.2	1.6	1.9	2.6	3.1	3.2	3.6	3.4	2.7‡	2.3	2.9	3.4	2.4	3.4
Parental Education: c															
1.0-2.0 (Low)	3.6	3.8	2.5	3.2	3.9	4.9	4.3	5.5	5.0	5.6‡	3.7	5.0	3.9	4.7	5.0
2.5–3.0	1.6	2.1	2.5	2.6	2.7	3.5	3.1	2.8	3.3	3.6‡	3.7	3.6	3.5	2.8	4.3
3.5-4.0	2.0	2.2	2.1	2.6	3.2	3.9	3.2	2.7	2.1	2.6‡	2.7	2.2	2.8	3.0	3.3
4.5–5.0	1.4	0.9	1.8	2.0	2.2	2.8	2.4	2.4	1.7	1.4‡	2.7	2.0	2.1	2.0	1.3
5.5-6.0 (High)	1.8	1.9	1.7	2.1	1.6	2.7	2.7	2.1	1.9	2.2‡	2.1	1.6	1.6	1.7	2.0
Race/Ethnicity (2-year average): d															
White	_	2.0	2.0	2.2	2.7	3.2	3.4	3.1	2.9	3.0	3.0‡	3.0 ^e	2.8	2.8	2.9
African American	_	0.9	1.1	1.2	1.2	1.3	1.2	0.9	0.7	0.5	0.5‡	0.6 ^e	1.0	1.2	1.0
Hispanic	_	2.7	3.1	3.4	3.3	3.5	3.5	3.4	3.5	3.5	3.6‡	3.8 ^e	3.4	3.4	3.5

TABLE 83 (cont.)

TRANQUILIZERS: ^a Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 8</u>

Percentage who used in last 12 months

															2018-2019
	<u>2006</u>	2007	<u>2008</u>	2009	<u>2010</u>	<u>2011</u>	2012	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>
Approximate weighted N =	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	14,400	16,900	15,300	14,000	13,600	
Total	2.6	2.4	2.4	2.6	2.8	2.0	1.8	1.8	1.7	1.7	1.7	2.0	2.0	2.4	+0.4
Gender:															
Male	2.2	1.6	1.7	2.3	2.2	1.6	1.3	1.3	1.3	1.2	1.4	1.5	2.0	2.1	+0.2
Female	2.9	3.1	3.2	3.0	3.3	2.4	2.3	2.4	2.1	2.2	1.9	2.4	2.1	2.7	+0.6
College Plans:															
None or under 4 years	6.0	6.8	5.9	7.0	5.5	4.8	4.1	5.3	4.8	3.1	3.3	4.2	4.0	5.1	+1.2
Complete 4 years	2.3	2.0	2.2	2.3	2.6	1.8	1.6	1.6	1.5	1.6	1.5	1.8	1.8	2.0	+0.2
Region:															
Northeast	1.3	1.4	1.6	1.2	1.6	1.1	1.3	1.2	1.5	1.6	1.1	0.9	0.9	1.1	+0.1
Midwest	2.4	2.8	2.5	2.4	2.6	1.8	1.0	1.5	1.5	1.8	1.2	1.6	1.3	2.1	+0.8 s
South	3.6	2.9	3.3	3.6	3.6	2.5	2.7	2.3	2.0	1.9	2.0	2.3	2.5	2.8	+0.3
West	2.1	1.9	1.8	2.2	2.4	2.2	1.3	1.9	1.8	1.4	2.1	2.7	2.9	3.2	+0.3
Population Density:															
Large MSA	1.9	1.9	1.8	2.0	2.2	1.7	1.5	1.6	1.8	2.2	1.5	2.0	2.2	2.5	+0.3
Other MSA	2.6	2.8	2.8	3.0	3.1	2.4	2.2	1.9	1.8	1.7	1.7	2.1	2.2	2.6	+0.4
Non-MSA	3.5	2.4	2.6	2.5	2.8	1.6	1.5	1.9	1.6	1.0	1.8	1.7	1.5	1.9	+0.4
Parental Education: c															
1.0-2.0 (Low)	5.1	5.2	4.7	5.9	4.8	3.4	3.2	3.6	3.0	3.1	2.5	4.4	3.2	3.4	+0.2
2.5–3.0	3.2	3.3	3.0	3.4	3.4	2.8	2.4	2.4	2.3	1.7	1.7	2.4	2.6	4.1	+1.5 s
3.5-4.0	3.1	2.9	2.5	2.8	3.2	2.5	1.9	2.2	1.9	1.8	2.0	1.7	2.4	2.3	-0.1
4.5–5.0	1.7	1.3	2.1	1.7	2.0	1.3	1.1	1.5	1.5	1.5	1.7	1.5	1.9	2.0	+0.1
5.5-6.0 (High)	1.8	1.0	1.7	1.4	1.7	1.3	1.5	0.9	1.1	1.3	1.2	1.5	1.1	1.7	+0.6
Race/Ethnicity (2-year average): d															
White	3.0	2.7	2.6	2.8	2.9	2.6	2.0	1.7	1.7	1.7	1.4	1.5	1.6	1.8	+0.2
African American	8.0	0.9	0.9	1.0	1.2	1.3	1.2	1.1	1.1	1.2	1.5	1.4	1.0	1.0	0.0
Hispanic	3.0	2.9	2.9	2.9	3.3	2.9	2.4	2.4	2.2	2.0	2.1	2.3	2.6	3.0	+0.4

Source. The Monitoring the Future study, the University of Michigan.

Notes. '‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aOnly drug use not under a doctor's orders is included here.

bln 2001, for the tranquilizer list of examples, Miltown was replaced with Xanax. The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

^cParental education is an average score of mother's education and father's education. See appendix B for details.

^dTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

Due to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE 84

TRANQUILIZERS: ^a Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

						Percer	itage wh	o used ii	n last 12	months					
	<u>1991</u>	1992	<u>1993</u>	1994	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	2001 ^b	2002	2003	2004	2005
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200
Total	3.2	3.5	3.3	3.3	4.0	4.6	4.9	5.1	5.4	5.6‡	7.3	6.3	5.3	5.1	4.8
Gender:															
Male	2.5	2.7	3.2	3.0	4.0	4.3	4.7	4.7	5.2	5.8‡	7.9	5.7	4.7	4.7	4.3
Female	3.8	4.3	3.2	3.6	4.0	4.9	5.2	5.4	5.4	5.5‡	6.8	6.9	5.8	5.5	5.3
College Plans:															
None or under 4 years	5.0	6.0	5.8	6.0	7.4	9.4	8.6	8.3	8.6	10.0‡	13.5	11.6	9.2	9.6	9.6
Complete 4 years	2.8	3.1	2.7	2.8	3.4	3.8	4.3	4.5	4.8	4.9‡	6.4	5.5	4.7	4.5	4.2
Region:															
Northeast	2.7	2.8	3.4	2.8	2.6	3.9	3.6	5.7	5.5	3.9‡	6.2	4.6	4.3	5.0	5.0
Midwest	2.4	3.0	2.5	2.6	3.2	4.4	3.7	3.4	4.6	5.4‡	5.6	5.5	4.5	3.5	3.3
South	4.2	4.5	3.9	4.2	5.1	5.7	7.3	6.6	6.0	6.9‡	9.6	8.1	7.5	7.3	6.6
West	2.9	3.2	3.2	3.6	4.3	3.6	3.7	4.1	4.9	5.4‡	6.7	5.8	4.1	4.1	3.8
Population Density:															
Large MSA	3.2	3.3	2.7	2.6	3.2	4.2	3.9	4.1	5.0	5.5‡	5.8	5.1	3.9	3.2	3.5
Other MSA	3.0	3.8	3.3	3.9	4.1	4.6	4.4	5.2	5.5	5.4‡	7.0	6.8	5.8	5.7	5.4
Non-MSA	3.5	3.3	3.6	3.0	4.7	5.2	7.0	6.0	5.6	6.1‡	9.9	6.7	6.4	6.4	5.3
Parental Education: c															
1.0–2.0 (Low)	3.3	5.3	4.8	4.2	5.0	5.9	4.7	6.5	5.0	8.2‡	7.6	7.1	7.5	5.8	5.2
2.5–3.0	3.6	3.5	3.1	3.3	4.5	5.2	5.3	6.3	5.9	6.2‡	7.9	7.5	7.3	5.6	5.7
3.5-4.0	3.2	3.4	3.5	3.4	4.3	5.0	5.5	4.9	5.2	5.6‡	8.1	6.7	5.7	5.7	5.4
4.5–5.0	2.5	3.9	2.9	2.9	3.5	4.1	4.2	4.5	5.7	5.2‡	6.7	5.8	4.1	4.6	4.0
5.5-6.0 (High)	3.5	2.3	3.1	3.4	3.2	3.6	4.4	4.0	5.3	4.7‡	6.9	4.6	3.4	4.1	4.0
Race/Ethnicity (2-year average): d															
White	_	4.0	3.8	3.6	4.1	4.9	5.6	6.0	6.1	6.4	7.0‡	7.6 ^e	7.4	6.5	6.0
African American	_	0.9	0.9	0.9	0.8	0.7	0.9	1.0	1.2	1.1	1.5‡	1.5 ^e	1.3	1.3	1.3
Hispanic	_	2.9	3.3	3.1	3.1	3.4	3.5	3.5	3.7	4.0	4.0‡	4.3 ^e	4.4	4.5	4.3

TABLE 84 (cont.)

TRANQUILIZERS: ^a Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

Percen	tade w	ho used	l in las	t 12	2 months
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															2018-2019
	2006	2007	2008	2009	<u>2010</u>	2011	2012	2013	2014	<u>2015</u>	<u>2016</u>	2017	<u>2018</u>	2019	<u>change</u>
Approximate weighted N =	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	15,600	14,700	13,500	14,300	14,000	
Total	5.2	5.3	4.6	5.0	5.1	4.5	4.3	3.7	3.9	3.9	4.1	4.1	3.9	3.4	-0.4
Gender:															
Male	5.0	4.6	4.1	4.4	4.5	4.7	4.0	3.8	3.2	3.2	3.5	3.8	3.9	3.7	-0.2
Female	5.3	6.0	5.0	5.7	5.5	4.3	4.5	3.6	4.6	4.5	4.5	4.2	3.7	3.1	-0.6
College Plans:															
None or under 4 years	10.2	9.9	9.6	11.4	10.6	9.9	10.7	6.4	7.9	8.5	8.7	7.2	7.4	6.0	-1.3
Complete 4 years	4.5	4.7	3.9	4.4	4.4	3.9	3.6	3.4	3.5	3.4	3.6	3.7	3.4	2.9	-0.4
Region:															
Northeast	3.8	4.1	2.8	3.0	4.0	3.5	3.0	2.9	3.0	3.4	2.3	2.4	2.1	1.9	-0.2
Midwest	4.2	5.3	4.7	5.1	5.1	4.4	4.3	3.9	4.7	2.9	3.9	4.3	3.9	3.3	-0.6
South	6.9	6.5	6.2	6.2	6.1	5.4	5.3	4.3	4.3	4.8	4.6	3.8	4.6	4.0	-0.6
West	5.3	4.7	3.7	5.2	4.3	4.2	3.9	3.3	3.2	3.8	4.8	5.5	4.0	3.7	-0.3
Population Density:															
Large MSA	4.4	4.1	3.3	3.9	4.6	4.0	3.7	3.0	3.6	3.8	4.5	4.5	3.8	2.8	-1.0
Other MSA	5.3	5.8	5.2	5.8	5.2	4.7	4.2	4.1	3.9	3.9	3.7	4.1	3.9	3.8	-0.1
Non-MSA	6.3	6.0	5.1	5.1	5.5	5.1	5.2	3.7	4.5	3.8	4.5	3.4	3.8	3.6	-0.3
Parental Education: c															
1.0-2.0 (Low)	6.6	5.5	5.4	7.4	6.5	4.8	5.5	5.4	5.4	4.8	4.9	4.6	5.3	4.0	-1.4
2.5–3.0	6.2	6.4	5.9	5.9	6.7	5.0	5.4	4.6	4.0	4.8	5.4	4.8	3.7	4.0	+0.3
3.5–4.0	5.6	5.7	5.2	5.9	5.8	4.8	5.0	4.4	4.9	5.0	4.2	4.5	4.7	4.4	-0.3
4.5–5.0	4.3	4.9	3.5	4.1	4.0	4.4	3.6	2.4	3.3	3.4	3.7	3.7	3.2	2.5	-0.6
5.5-6.0 (High)	4.3	3.9	3.6	3.6	3.3	4.1	3.2	3.2	2.8	2.5	3.1	3.8	3.4	2.8	-0.6
Race/Ethnicity (2-year average): d															
White	6.0	6.2	6.1	5.7	5.8	5.6	5.1	4.4	4.0	4.1	4.0	4.1	4.0	3.6	-0.4
African American	1.6	1.3	1.0	1.3	1.8	2.1	1.8	1.7	2.1	2.5	2.7	2.2	1.5	1.8	+0.3
Hispanic	3.8	3.3	3.5	4.5	4.9	4.1	4.0	4.2	3.8	3.8	4.4	5.2	5.3	4.2	-1.1 s

Notes. '‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aOnly drug use not under a doctor's orders is included here.

bln 2001, for the tranquilizer list of examples, Miltown was replaced with Xanax. The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

^cParental education is an average score of mother's education and father's education. See appendix B for details.

^dTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

Due to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE 85

TRANQUILIZERS: ^a Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

						Pe	rcentage	who us	ed in las	t 12 mor	iths					
Approximate weighted N =	<u>1975</u> 9.400	<u>1976</u> 15.400	<u>1977</u> 17 100	<u>1978</u> 17,800	<u>1979</u>	<u>1980</u> 15.900	<u>1981</u> 17,500	<u>1982</u> 17.700	<u>1983</u>	<u>1984</u> 15.900	<u>1985</u> 16.000	<u>1986</u> 15.200	<u>1987</u> 16.300	1988 16.300	<u>1989</u> 16,700	<u>1990</u>
Total	10.6	10.3	10.8	9.9	9.6	8.7	8.0	7.0	6.9	6.1	6.1	5.8	5.5	4.8	3.8	3.5
Gender:																
Male	10.0	9.4	10.2	9.7	9.9	9.0	8.0	6.9	7.0	6.3	6.4	5.9	5.2	4.7	4.0	3.5
Female	11.1	11.0	11.4	10.1	9.3	8.5	7.7	7.1	6.7	5.8	5.7	5.8	5.8	4.8	3.5	3.5
College Plans:																
None or under 4 years	_	11.5	12.3	11.1	11.0	10.7	9.4	8.0	8.0	7.4	6.8	7.2	6.7	5.1	4.8	4.3
Complete 4 years	_	8.9	9.0	8.6	8.1	7.2	6.9	6.3	5.8	5.2	5.5	5.1	4.9	4.6	3.3	3.2
Region:																
Northeast	9.2	9.7	10.4	10.9	11.5	8.6	8.3	7.8	6.8	6.8	7.1	6.4	6.9	4.5	3.7	2.9
Midwest	10.6	10.1	11.0	8.8	7.5	8.2	7.8	6.2	6.8	5.6	6.0	5.5	4.5	3.7	3.1	2.9
South	11.3	11.7	11.4	10.5	10.4	9.5	7.8	7.4	7.4	6.9	5.9	6.3	5.7	6.0	4.4	4.3
West	11.7	8.5	9.6	8.9	9.4	8.6	8.0	6.4	6.2	4.9	5.3	4.8	5.2	4.4	3.4	3.9
Population Density:																
Large MSA	11.2	9.6	9.6	10.3	9.9	8.7	8.3	7.0	7.0	5.4	5.8	5.3	5.8	4.7	3.1	3.6
Other MSA	11.0	11.3	11.4	10.1	10.2	9.3	8.1	7.2	7.2	6.1	6.0	5.7	5.6	5.0	3.5	3.7
Non-MSA	9.9	9.5	11.0	9.2	8.7	8.0	7.5	6.8	6.5	6.8	6.5	6.4	5.2	4.5	4.9	3.3
Parental Education: b																
1.0-2.0 (Low)	_	11.2	10.1	9.4	9.4	9.1	7.8	7.1	6.1	6.0	6.5	5.3	6.7	5.7	3.9	3.6
2.5–3.0	_	9.8	10.3	11.5	10.1	8.8	9.1	8.0	7.3	7.2	6.5	6.2	5.8	5.4	4.6	3.9
3.5–4.0	_	9.8	11.2	11.1	9.5	10.4	8.9	8.3	6.7	6.9	5.8	6.4	6.5	5.3	4.5	3.4
4.5–5.0	_	11.3	11.7	11.4	10.5	10.0	8.1	7.4	7.6	6.6	5.8	6.3	4.7	5.9	5.5	3.8
5.5-6.0 (High)	_	9.3	12.0	10.1	11.0	11.4	10.3	9.1	7.6	7.1	6.3	5.5	5.4	5.4	5.6	4.9
Race/Ethnicity (2-year average): °																
White	_	_	11.4	11.1	10.5	9.9	9.1	8.3	7.8	7.3	6.8	6.6	6.3	5.9	5.0	4.2
African American	_	_	4.3	4.2	3.6	3.1	3.0	2.5	2.3	2.1	1.7	1.7	2.0	2.0	1.2	0.7
Hispanic	_	_	8.4	8.2	7.4	6.4	5.7	5.8	5.1	5.3	5.0	4.4	3.7	2.5	1.6	1.9

TABLE 85 (cont.)

TRANQUILIZERS: ^a Trends in Annual Prevalence of Use by Subgroups in Grade 12

Percentage who used in last 12 months 2001^d 1991 1992 1993 1994 1995 1996 1997 1999 2000 2002 2003 2004 2005 2006 1998 Approximate weighted N = 15,00015,800 16,300 14,300 15,400 15,200 13,600 12,800 12,800 12,900 14,600 14,600 14,700 14,200 15,400 15,400 Total 3.6 2.8 3.5 3.7 4.4 4.6 4.7 5.5 5.8 5.7‡ 6.9 7.7 6.7 7.3 6.8 6.6 Gender: Male 3.5 2.7 3.5 4.0 4.7 5.0 5.4 6.3 6.9 6.4‡ 7.9 8.4 6.9 8.0 7.2 7.1 Female 3.6 3.0 3.3 3.5 4.1 4.0 3.9 4.7 4.9‡ 5.8 6.9 6.3 6.5 6.2 6.1 4.8 College Plans: None or under 4 years 4.2 3.9 3.9 4.5 5.6 5.6 6.2 6.8 6.4 6.7‡ 7.6 9.9 9.6 9.1 10.3 8.5 Complete 4 years 3.4 2.5 3.3 3.5 4.1 4.2 4.0 5.1 5.6 5.2‡ 6.7 7.1 6.0 6.8 5.9 6.0 Region: Northeast 3.0 3.0 3.7 6.8 6.5 7.2 3.5 3.9 4.8 5.3 4.9 5.6 5.2‡ 5.7 5.4 5.7 2.8 Midwest 3.0 2.3 3.1 4.0 4.4 3.5 3.7 5.1 4.7‡ 8.1 6.5 5.5 6.2 7.0 5.8 South 4.0 3.5 4.2 4.8 5.0 5.3 5.4 7.5 7.6 6.7‡ 7.4 10.4 8.5 9.0 8.3 7.6 West 3.0 4.4 2.3 2.8 4.3 3.0 4.3 4.4 3.9 5.6‡ 5.5 5.8 6.6 7.0 4.9 5.3 Population Density: Large MSA 2.5 2.9 2.9 3.9 4.0 3.7 4.2 4.7‡ 4.7 5.5 5.5 6.5 4.8 4.0 7.9 7.8 Other MSA 4.1 2.7 3.6 3.7 4.5 4.9 4.8 5.7 6.6 6.2‡ 6.4 8.2 7.8 8.5 7.4 6.6 Non-MSA 3.7 3.1 3.7 3.5 4.8 4.7 5.1 5.9 6.5 6.0‡ 6.7 6.8 7.4 7.3 7.1 6.9 Parental Education: b 1.0-2.0 (Low) 4.0 3.9 3.3 4.2 3.9 4.2 3.9 6.4 5.2 6.4‡ 5.4 5.2 7.1 5.0 4.3 5.7 2.5-3.0 3.3 3.5 4.7 4.0 4.3 7.9 6.5 7.9 7.7 3.6 2.8 5.2 6.2 5.3‡ 6.7 6.9 3.5-4.0 3.1 2.7 3.5 3.6 4.3 4.7 4.6 6.0 6.4 5.6‡ 7.7 8.4 7.6 9.0 7.3 6.9 4.5-5.0 3.9 3.4 3.7 4.5 4.6 4.9 5.9‡ 7.4 7.9 5.9 7.1 3.0 5.4 5.4 6.8 6.6 5.5-6.0 (High) 4.0 2.2 4.2 4.2 4.1 5.3 5.1 5.5 5.6 5.8‡ 6.0 7.9 6.2 5.4 5.9 6.4 Race/Ethnicity (2-year average): c 9.2^f White 4.1 3.7 3.7 4.2 4.6 5.1 5.5 6.2 6.8 6.9 7.7± 8.7 8.4 8.6 8.2 1.1 African American 0.9 1.3 1.0 1.1 1.2 0.9 0.8 1.0 1.0 0.7 $0.6 \pm$ 1.3 1.7 1.9 1.6 2.7 2.4 2.0 3.5 4.3 3.8 3.3 3.5 4.3 3.9‡ 4.1^f 4.5 4.5 4.3 4.3 Hispanic 2.4

TABLE 85 (cont.)

TRANQUILIZERS: ^a Trends in Annual Prevalence of Use by Subgroups in Grade 12

					Percen	tage wh	o used ir	n last 12	months					
Approximate weighted N =	2007 ^e 14,500	2008 14,000	2009 13,700	<u>2010</u> 14,400	<u>2011</u> 14,100	<u>2012</u> 13,700	2013 12,600	<u>2014</u> 12,400	<u>2015</u> 12,900	<u>2016</u> 11,800	<u>2017</u> 12,600	2018 13,300	2019 12,900	2018-2019 <u>change</u>
Total	6.2	6.2	6.3	5.6	5.6	5.3	4.6	4.7	4.7	4.9	4.7	3.9	3.4	-0.5
Gender:														
Male	6.9	6.8	6.8	5.9	5.4	5.1	4.6	4.9	4.6	4.8	5.2	4.2	3.2	-1.0 s
Female	5.4	5.7	5.7	5.2	5.6	5.5	4.4	4.4	4.6	4.9	4.0	3.1	3.4	+0.3
College Plans:														
None or under 4 years	9.1	9.3	8.7	8.6	9.1	6.7	6.0	5.5	5.5	5.2	6.2	5.4	4.7	-0.8
Complete 4 years	5.5	5.5	5.7	4.9	4.9	4.9	4.2	4.4	4.5	4.6	4.2	3.2	2.9	-0.3
Region:														
Northeast	5.9	5.3	6.7	5.2	4.8	4.6	4.2	3.3	4.1	3.7	3.6	3.4	2.2	-1.2
Midwest	6.4	5.2	7.0	5.7	6.1	5.3	4.7	4.4	4.5	4.9	4.4	4.3	3.8	-0.6
South	7.0	7.8	6.9	6.4	5.5	5.3	5.0	5.0	4.6	5.1	5.4	4.0	3.5	-0.5
West	4.7	5.5	4.1	4.3	5.7	6.0	4.4	5.8	5.6	5.3	4.6	3.5	3.6	+0.1
Population Density:														
Large MSA	5.9	5.2	5.5	4.9	4.7	5.3	4.5	3.7	4.5	4.8	3.9	3.1	2.9	-0.2
Other MSA	6.4	6.6	6.7	5.8	5.8	5.6	5.2	5.6	5.3	5.1	5.5	4.2	3.7	-0.5
Non-MSA	6.2	6.5	6.3	6.0	6.5	4.9	3.6	4.0	3.6	4.6	4.2	4.5	3.2	-1.3
Parental Education: b														
1.0-2.0 (Low)	6.0	5.9	5.1	5.0	5.4	5.3	4.3	4.4	4.6	4.9	4.3	3.2	3.1	-0.1
2.5–3.0	6.5	5.5	7.0	6.4	5.5	5.9	4.5	5.1	4.9	4.2	4.9	4.4	4.1	-0.3
3.5–4.0	6.4	7.4	6.2	6.1	6.7	5.7	5.8	4.7	5.5	5.3	5.5	4.2	3.8	-0.5
4.5–5.0	6.3	5.7	6.5	5.1	5.2	4.9	4.0	4.8	4.5	5.0	4.0	3.3	2.9	-0.4
5.5-6.0 (High)	5.5	6.0	5.9	4.2	4.6	4.6	4.0	4.4	4.3	5.0	4.9	3.6	2.5	-1.1
Race/Ethnicity (2-year average): c														
White	7.9	7.9	8.0	7.3	6.8	6.7	5.9	5.1	5.0	5.1	5.1	4.7	4.0	-0.7 s
African American	1.3	1.0	1.2	2.2	2.3	1.6	1.7	2.5	2.8	2.9	2.9	2.7	2.3	-0.4
Hispanic	4.5	4.2	4.0	3.9	3.9	3.9	3.8	4.2	4.6	4.7	4.7	3.7	3.0	-0.7

Notes. '‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^dIn 2001, for the tranquilizer list of examples, Miltown was replaced with Xanax. The 2001 data are based on the changed forms only; N is one half of N indicated.

^oIn 2007, for the list of tranquilizers, Equanil and meprobamate were replaced with Soma while Atarax, Tranxene, and Vistaril were replaced with Ativan and Klonopin. ^fDue to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE 86

ANY PRESCRIPTION DRUG ^a WITHOUT MEDICAL SUPERVISION:
Trends in Annual Prevalence of Use by Subgroups in Grade 12

2019

																2018–
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 change
Approx. weighted N =	14.700	14.200	14.500	14,000	13.700	13.700	13.700	13.600	12.600	12.400	12.900	11.800	12.600	13.300	12.900	onango
Total	17.1	16.8	15.8	15.4	14.4	15.0	15.2	14.8‡	15.9	13.9	12.9	12.0	10.9	9.9	8.6	-1.3 s
Gender																
Male	18.2	17.0	16.4	16.3	16.1	16.1	15.9	15.5 ‡	16.5	14.2	12.9	12.3	12.0	10.7	9.0	-1.7 s
Female	15.7	16.3	14.8	14.4	13.5	13.7	14.0	13.7‡	14.6	13.0	12.6	11.0	9.6	8.1	7.8	-0.2
College Plans								·								
None or under 4 years	22.2	22.3	21.7	20.9	18.6	20.0	22.3	16.7‡	21.1	16.4	14.8	12.3	12.9	12.0	10.7	-1.3
Complete 4 years	15.8	15.2	14.3	14.1	13.9	13.8	13.7	14.0‡	14.7	13.0	12.3	11.5	10.3	8.8	7.7	-1.1
Region																
Northeast	15.5	17.4	15.8	15.2	14.7	15.1	13.3	12.4‡	14.6	11.7	11.2	9.7	9.2	9.1	5.7	-3.5 ss
Midwest	18.9	16.1	16.5	15.0	17.3	15.0	15.9	15.6‡	17.0	14.3	13.1	13.5	10.1	9.9	9.6	-0.4
South	17.9	17.4	16.3	16.1	14.3	15.6	14.3	13.5‡	16.1	15.1	13.0	12.0	11.7	10.0	8.6	-1.4
West	15.2	16.2	14.1	15.0	12.8	14.0	17.2	17.0‡	15.5	13.3	13.9	11.9	11.7	10.2	10.3	+0.2
Population Density																
Large MSA	15.5	16.9	15.0	13.3	13.6	14.9	14.1	15.8‡	15.9	12.3	12.2	12.0	9.6	8.5	8.0	-0.4
Other MSA	18.0	16.5	15.7	15.7	15.3	15.5	15.9	14.7‡	16.8	15.9	13.5	11.9	11.8	10.5	9.3	-1.2
Non-MSA	17.4	17.5	17.1	17.3	15.4	14.1	15.0	13.2‡	13.5	11.2	12.7	12.0	11.3	10.9	8.0	-2.9 s
Parental Education ^b																
1.0-2.0 (Low)	11.8	15.7	13.7	13.2	11.5	11.9	13.2	13.3‡	13.6	12.1	12.5	10.3	8.6	8.6	7.5	-1.1
2.5–3.0	18.1	17.2	16.4	15.3	15.6	15.6	15.1	16.1‡	16.9	14.7	12.3	10.6	11.7	9.8	8.5	-1.2
3.5-4.0	18.9	18.2	16.2	16.3	15.5	16.3	16.1	15.5‡	16.3	13.7	14.0	13.1	11.3	10.0	9.7	-0.3
4.5–5.0	17.4	16.6	15.9	15.2	15.7	14.6	14.6	14.6‡	16.6	13.9	12.7	12.4	10.7	10.1	8.2	-1.8
5.5-6.0 (High)	15.0	15.5	14.8	15.1	13.5	14.1	15.5	13.0‡	15.2	14.8	14.0	12.7	12.0	10.1	8.1	-2.0
Race/Ethnicity (2-year average) c																
White	_	19.8	19.3	18.9	18.2	17.8	17.8	17.5	17.2‡	15.5	14.4	13.5	12.5	11.4	10.1	-1.4 ss
African American	_	6.1	5.8	5.7	5.7	7.3	7.5	6.5	10.1‡	10.2	9.3	8.7	7.8	6.4	5.6	-0.8
Hispanic		12.8	11.9	10.3	10.1	9.9	10.3	10.9	11.9‡	12.4	11.1	10.5	10.1	8.5	7.3	-1.2 s

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See

Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table. '‡' indicates that the question changed the following year.

^aThe use of any prescription drug includes use of any of the following: amphetamines, sedatives (barbiturates), narcotics other than heroin, or tranquilizers ... without a doctor telling you to use them. In 2013 the question wording for amphetamines was changed in three of the 12th grade questionnaires. 2013 data are based on the three changed forms only. N is three sixths of N indicated. Data for any prescription drug use are affected by these changes and have been handled in a parallel manner.

^bParental education is an average score of mother's education and father's education reported on the following scale: (1) Completed grade school or less,

(2) Some high school, (3) Completed high school, (4) Some college, (5) Completed college, (6) Graduate or professional school after college. Missing data were allowed on one of the two variables.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 87
OVER-THE-COUNTER COUGH/COLD MEDICINES: c

Trends in **Annual Prevalence of Use by Subgroups in Grade 8**

_						Percer	itage who	o used in	last 12 r	nonths						2018–
	1991–															2019
Approximate weighted N =	<u>2005</u>	2006 16.500	2007 16.100	2008 15.700	2009 15.000	2010 15.300	2011 16.000	2012 15.100	2013 14.600	2014 14.600	2015 14.400	2016 16.900	2017 15.300	2018 14.000	2019 13,600	<u>change</u>
Total	_	4.2	4.0	3.6	3.8	3.2	2.7	3.0	2.9	2.0	1.6	2.6	2.1	2.8	3.2	+0.4
Gender:	_	4.2	4.0	3.0	3.0	3.2	2.1	3.0	2.9	2.0	1.0	2.0	2.1	2.0	3.2	+0.4
Male		3.4	3.1	2.7	3.7	2.7	2.2	1.7	2.7	1.4	1.1	2.4	2.1	2.6	3.4	+0.8
Female	_	4.7	5.0	4.3	3.8	3.7	3.1	3.9	3.0	2.5	2.1	2.9	2.1	2.9	3.1	+0.2
College Plans:	_	4.7	5.0	4.3	3.0	3.7	3.1	3.9	3.0	2.5	2.1	2.9	2.1	2.9	3.1	+0.2
None or under 4 years		11.9	8.0	7.1	12.9	5.9	5.9	6.4	8.2	5.2	4.5	7.0	6.0	4.2	5.2	+1.1
Complete 4 years	_	3.4	3.6	3.3	3.1	2.9	2.5	2.8	2.6	1.8	1.4	2.3	1.7	2.6	3.0	+0.3
Region:	_	3.4	3.0	3.3	3.1	2.9	2.0	2.0	2.0	1.0	1.4	2.3	1.7	2.0	3.0	+0.5
Northeast	_	3.4	2.4	2.5	2.7	2.2	2.3	1.6	2.6	1.8	1.2	1.8	0.9	1.4	2.1	+0.8
Midwest		4.5	4.0	3.8	3.8	3.0	2.4	2.6	1.9	1.6	1.6	3.2	2.4	2.4	2.6	+0.2
South	_	4.3	4.8	4.1	4.5	3.2	2.7	3.9	3.1	2.2	2.0	2.5	2.4	3.2	3.6	+0.4
West	_	4.4	3.6	3.3	3.3	4.1	3.5	3.0	3.8	2.3	1.2	2.9	2.6	3.7	4.1	+0.4
Population Density:	_	4.4	5.0	5.5	0.0	4.1	0.0	3.0	0.0	2.0	1.2	2.3	2.0	0.7	4.1	10.4
Large MSA		3.5	2.7	3.1	3.4	2.6	1.7	3.1	3.6	1.6	1.3	2.3	1.3	2.3	3.3	+1.0
Other MSA		4.4	4.8	3.5	3.8	3.7	3.5	3.0	2.7	2.2	1.7	2.8	2.7	2.9	3.3	+0.5
Non-MSA		4.6	4.2	4.3	4.3	3.0	2.7	2.8	2.3	2.2	1.8	2.8	1.8	3.5	2.9	-0.5
Parental Education: ^a		4.0	7.2	4.0	4.0	0.0	2.1	2.0	2.0	2.2	1.0	2.0	1.0	0.0	2.0	-0.0
1.0–2.0 (Low)	_	6.2	5.7	4.8	9.2	4.1	5.0	4.6	3.1	2.8	1.5	4.1	3.4	4.3	5.8	+1.5
2.5–3.0	_	5.1	4.5	4.4	4.6	4.0	3.7	3.3	3.9	1.0	2.7	2.9	1.9	2.8	5.0	+2.2
3.5–4.0		4.4	5.4	3.8	4.2	3.1	3.7	4.0	3.2	2.7	1.3	3.5	2.6	3.0	3.4	+0.3
4.5–5.0	_	3.8	3.4	3.4	3.3	2.1	1.9	1.9	3.2	1.7	1.6	1.8	1.9	3.5	2.4	-1.1
5.5–6.0 (High)	_	3.0	2.0	2.5	1.7	3.3	1.0	2.0	1.5	2.5	1.1	2.4	1.6	1.4	2.7	+1.3
Race/Ethnicity (2-year average): b		0.0	2.0	2.0		0.0	1.0	2.0	1.0	2.0			1.0		2.7	1.0
White	_	_	4.5	4.1	3.7	3.3	2.9	2.6	2.6	2.6	1.9	2.1	2.4	2.4	2.9	+0.5
African American	_	_	2.2	2.3	2.7	2.8	2.3	3.0	3.2	2.1	1.9	2.4	2.3	2.4	3.3	+0.8
Hispanic	_	_	4.4	3.8	3.6	3.9	3.2	3.8	3.9	2.8	1.5	1.9	2.3	2.4	2.8	+0.4
ι ποραιπο			4.4	3.0	3.0	3.9	3.2	3.0	3.8	2.0	1.0	1.8	2.3	2.4	2.0	10.4

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table S1.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^cTaken to get high.

TABLE 88

OVER-THE-COUNTER COUGH/COLD MEDICINES:
Trends in Annual Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 12 months															2018-
	1991–															2019
	2005	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>
Approximate weighted N =	_	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	15,600	14,700	13,500	14,300	14,000	
Total	_	5.3	5.4	5.3	6.0	5.1	5.5	4.7	4.3	3.7	3.3	3.0	3.6	3.3	2.6	-0.7
Gender:																
Male	_	5.1	4.6	4.9	5.9	5.5	5.4	5.5	4.6	3.8	3.0	2.7	3.5	3.7	3.1	-0.6
Female	_	5.5	6.3	5.7	6.0	4.9	5.8	4.1	3.5	3.3	3.5	3.3	3.5	3.0	2.1	-0.9
College Plans:																
None or under 4 years	_	9.9	9.7	11.3	13.5	10.8	13.6	10.2	8.0	9.2	9.3	4.8	7.6	4.8	4.6	-0.1
Complete 4 years	_	4.6	4.8	4.6	5.2	4.5	4.6	4.2	3.9	3.0	2.6	2.8	3.2	3.1	2.3	-0.8
Region:																
Northeast	_	4.1	5.8	3.5	4.1	4.4	5.3	4.5	4.4	3.1	2.2	3.4	2.1	2.6	3.2	+0.7
Midwest	_	4.3	5.4	5.4	6.2	4.9	6.0	4.3	3.5	3.3	3.2	2.0	3.7	3.3	2.1	-1.2
South	_	6.3	5.9	6.6	6.9	5.0	6.2	5.7	4.2	4.4	3.4	3.7	3.5	3.4	2.1	-1.3 s
West	_	6.0	4.7	4.8	6.3	6.3	4.2	4.0	5.1	3.5	4.2	2.6	4.8	3.9	3.7	-0.2
Population Density:																
Large MSA	_	4.3	4.7	4.3	5.3	5.1	4.1	4.2	4.3	3.8	2.6	2.9	3.6	3.7	1.6	-2.1 sss
Other MSA	_	5.5	5.6	6.2	6.8	4.7	6.4	4.7	4.0	3.3	3.6	3.1	3.2	3.2	2.7	-0.4
Non-MSA	_	6.3	6.3	4.7	5.3	6.1	5.9	5.5	5.0	4.3	3.7	2.7	4.7	3.1	4.0	+0.9
Parental Education: a																
1.0–2.0 (Low)	_	5.1	6.4	6.8	9.7	9.3	8.0	6.2	5.4	3.5	5.1	4.4	5.4	6.7	2.8	-3.9 s
2.5–3.0	_	6.2	7.4	5.9	7.3	6.0	6.2	5.9	5.3	2.9	3.9	3.6	4.2	4.2	3.3	-0.9
3.5-4.0	_	6.2	6.0	5.0	6.5	5.3	5.5	5.8	5.2	4.7	3.4	2.4	4.8	2.4	3.3	+0.9
4.5–5.0	_	4.1	4.5	5.6	4.5	3.4	5.1	3.5	3.0	2.9	2.9	2.6	3.1	2.4	2.2	-0.3
5.5–6.0 (High)	_	5.1	3.0	3.9	5.2	5.1	4.6	3.6	2.9	3.6	2.6	3.3	2.0	3.0	2.0	-1.1
Race/Ethnicity (2-year average): b																
White	_	_	6.0	6.2	6.4	5.8	5.4	5.1	4.7	4.2	3.7	3.5	3.5	3.4	3.2	-0.2
African American	_	_	3.9	3.1	2.1	2.6	3.8	2.7	2.3	3.6	3.4	2.4	2.8	2.6	2.5	-0.1
Hispanic	_	_	3.2	4.0	5.5	5.6	5.7	6.5	5.0	3.5	2.4	2.1	3.4	4.2	3.0	-1.2

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table S2.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^cTaken to get high.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 89
OVER-THE-COUNTER COUGH/COLD MEDICINES: c
Trends in Annual Prevalence of Use by Subgroups in Grade 12

						Percer	itage who	o used in	last 12 r	nonths						2018–
	1991–															2019
	2005	<u>2006</u>	2007	2008	2009	<u>2010</u>	2011	2012	2013	2014	<u>2015</u>	<u>2016</u>	2017	2018	<u>2019</u>	<u>change</u>
Approximate weighted N =	_	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	_	6.9	5.8	5.5	5.9	6.6	5.3	5.6	5.0	4.1	4.6	4.0	3.2	3.4	2.5	-0.9
Gender:																
Male	_	7.6	5.9	6.3	8.1	7.7	5.6	6.1	5.9	4.8	5.8	4.7	4.0	4.0	3.4	-0.6
Female	_	5.9	5.1	4.7	4.1	5.4	4.7	4.5	4.2	3.3	3.2	3.3	2.5	2.6	1.5	-1.1 s
College Plans:																
None or under 4 years	_	8.9	8.3	7.6	7.1	8.6	7.3	8.4	7.3	4.3	5.6	5.7	4.7	5.9	4.3	-1.6
Complete 4 years	_	6.2	5.2	4.9	5.5	6.1	4.9	4.8	4.4	3.9	4.2	3.6	2.9	2.8	2.0	-0.8
Region:																
Northeast	_	5.9	7.8	4.4	5.1	7.4	5.6	4.9	5.1	3.8	3.8	3.9	2.7	3.4	1.4	-1.9
Midwest	_	6.6	6.8	4.4	6.7	5.9	6.1	5.8	4.6	4.3	4.2	3.7	2.9	3.7	2.1	-1.6
South	_	7.6	5.2	6.7	6.2	6.6	5.5	5.6	5.7	4.6	4.6	4.7	3.3	3.1	2.3	-0.8
West	_	6.7	4.2	5.8	4.8	6.6	4.1	5.8	4.5	3.5	5.4	3.2	3.7	3.6	4.3	+0.7
Population Density:																
Large MSA	_	7.6	5.4	4.9	5.7	6.3	5.2	5.9	5.0	2.8	4.7	3.4	2.7	2.6	1.6	-1.0
Other MSA	_	6.0	5.9	5.5	6.6	6.8	5.4	5.2	4.9	4.8	4.4	4.6	3.9	3.4	2.7	-0.7
Non-MSA	_	7.5	6.1	6.4	4.4	6.2	5.4	6.0	5.4	4.3	4.7	3.6	2.8	4.7	3.4	-1.3
Parental Education: a																
1.0–2.0 (Low)	_	7.7	7.2	6.8	7.8	7.4	7.3	5.7	5.9	3.6	3.3	4.6	3.0	3.6	5.6	+2.0
2.5–3.0	_	6.2	6.7	5.0	6.1	6.2	5.7	5.5	4.3	5.6	4.8	4.1	5.1	4.0	2.8	-1.2
3.5–4.0	_	7.7	4.6	6.3	5.7	7.9	4.9	5.6	6.3	2.8	5.9	3.9	3.7	3.3	2.0	-1.2
4.5–5.0	_	6.7	6.8	4.8	5.6	5.3	4.9	6.0	4.1	4.5	4.0	3.4	2.0	2.5	2.2	-0.3
5.5–6.0 (High)	_	4.9	4.0	4.4	5.1	5.9	5.6	5.3	3.9	4.1	3.2	4.5	0.9	3.8	1.6	-2.2
Race/Ethnicity (2-year average): b																
White	_	_	6.3	5.8	5.9	6.4	6.2	5.6	5.3	4.5	4.2	4.2	3.4	3.2	2.8	-0.4
African American	_	_	5.0	4.2	4.5	4.6	4.6	3.8	3.7	4.5	4.8	4.9	3.3	2.2	2.1	-0.2
Hispanic	_	_	7.9	6.0	6.0	7.1	5.4	5.4	5.8	3.8	4.2	5.0	4.2	3.3	3.1	-0.2

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data are based on two of six forms; N is two sixths of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^cTaken to get high.

TABLE 90

ROHYPNOL: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 8</u>

				Pe	ercentage	who use	ed in last	12 mont	:hs			
	1991–											
	<u>1995</u>	<u>1996</u>	1997	<u>1998</u>	1999	2000	2001	2002	2003	2004	2005	2006
Approximate weighted N =	_	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500
Total	_	1.0	8.0	8.0	0.5	0.5	0.7	0.3	0.5	0.6	0.7	0.5
Gender:												
Male	_	1.1	0.7	8.0	0.6	0.5	0.6	0.2	0.4	0.5	0.7	0.7
Female	_	1.0	0.9	0.9	0.2	0.6	0.7	0.2	0.4	0.7	0.7	0.4
College Plans:												
None or under 4 years	_	2.5	1.5	3.0	0.9	2.2	2.0	1.0	1.3	2.4	1.8	1.1
Complete 4 years	_	8.0	0.7	0.6	0.4	0.4	0.5	0.2	0.4	0.4	0.6	0.5
Region:												
Northeast	_	0.9	0.3	0.9	0.3	0.6	0.9	0.2	0.2	0.3	0.6	1.4
Midwest	_	0.9	8.0	8.0	0.3	0.4	1.0	0.4	0.2	8.0	0.6	0.0
South	_	1.3	1.1	0.9	0.7	0.9	0.6	0.4	0.6	0.5	0.5	0.6
West	_	1.0	0.7	8.0	0.5	*	0.4	0.1	0.7	0.7	1.1	0.2
Population Density:												
Large MSA	_	1.2	8.0	0.7	0.4	0.9	1.2	0.1	0.1	0.5	0.4	0.6
Other MSA	_	1.1	0.9	1.0	0.6	0.5	0.5	0.3	0.4	8.0	0.7	0.5
Non-MSA	_	0.8	0.7	0.8	0.3	0.2	0.4	0.5	1.0	0.3	1.0	0.5
Parental Education: ^a												
1.0–2.0 (Low)	_	2.0	2.1	2.2	0.2	0.9	1.3	0.9	1.8	2.4	0.6	0.7
2.5–3.0	_	1.1	1.1	0.8	0.3	0.8	0.3	0.0	0.9	0.1	1.3	0.1
3.5-4.0	_	1.2	0.7	0.9	0.6	0.2	1.2	0.2	0.1	0.2	0.4	0.7
4.5–5.0	_	0.8	0.6	0.6	0.5	0.4	0.7	0.6	0.4	0.6	0.9	0.1
5.5-6.0 (High)	_	0.8	0.5	0.9	0.7	0.9	0.2	0.2	0.0	0.1	0.5	1.5
Race/Ethnicity (2-year average): b												
White	_	_	0.9	0.8	0.7	0.5	0.6	0.5	0.4	0.4	0.5	0.5
African American	_	_	0.4	0.4	0.4	0.3	0.4	0.4	0.3	0.9	0.7	0.2
Hispanic	_	_	1.4	1.5	1.5	0.6	0.9	0.8	0.4	1.0	0.8	0.6

TABLE 90 (cont.)

ROHYPNOL: Trends in Annual Prevalence of Use by Subgroups in Grade 8

					Percer	ntage wh	o used ir	ı last 12 ı	months					
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2018-2019 <u>change</u>
Approximate weighted N =		15,700	15,000	15,300	16,000	15,100	14,600	14,600	14,400	16,900	15,300	14,000	13,600	onango
Total	0.7	0.5	0.4	0.5	8.0	0.4	0.4	0.3	0.3	0.5	0.4	0.3	0.4	+0.1
Gender:														
Male	0.6	0.6	0.4	0.3	0.7	0.4	0.5	0.3	0.5	0.4	0.2	0.4	0.2	-0.2
Female	0.7	0.3	0.4	0.7	8.0	0.3	0.3	0.4	0.2	0.3	0.6	0.3	0.7	+0.4
College Plans:														
None or under 4 years	3.3	2.6	2.4	0.5	1.8	3.1	2.2	0.9	1.5	3.3	1.1	1.3	0.2	-1.1
Complete 4 years	0.4	0.3	0.2	0.5	0.7	0.2	0.3	0.3	0.2	0.2	0.3	0.1	0.4	+0.3
Region:														
Northeast	0.1	0.0	0.0	0.5	0.9	0.4	0.5	0.2	0.0	1.2	0.3	0.0	0.0	0.0
Midwest	8.0	0.7	0.6	0.4	0.6	0.1	0.0	0.5	0.0	0.2	0.5	0.4	0.5	0.0
South	0.7	0.6	0.4	0.7	0.4	0.6	0.5	0.2	0.4	0.5	0.3	0.4	0.7	+0.3
West	0.8	0.5	0.5	0.5	1.7	0.4	0.6	0.4	0.6	0.1	0.4	0.3	0.2	-0.1
Population Density:														
Large MSA	0.4	0.6	0.1	0.4	1.1	0.4	0.3	0.2	0.3	1.0	0.6	0.2	0.2	0.0
Other MSA	8.0	0.5	0.6	0.7	0.7	0.3	0.6	0.3	0.5	0.1	0.4	0.3	0.3	+0.1
Non-MSA	8.0	0.4	0.4	0.3	0.5	0.6	0.2	0.4	0.0	0.3	0.1	0.6	0.9	+0.3
Parental Education: a														
1.0-2.0 (Low)	0.5	0.7	1.4	1.4	0.3	1.6	0.3	0.7	0.0	1.9	0.9	0.3	0.0	-0.3
2.5–3.0	0.5	0.5	0.0	0.0	1.0	0.5	0.7	0.4	0.2	0.5	0.7	0.2	1.9	+1.7
3.5-4.0	0.7	0.7	0.3	0.6	1.0	0.4	0.4	0.2	8.0	0.4	0.2	0.6	0.3	-0.3
4.5–5.0	0.9	0.2	0.6	0.6	0.6	0.3	0.7	0.1	0.3	0.3	0.2	0.4	0.2	-0.2
5.5-6.0 (High)	0.4	0.3	0.1	0.4	1.0	0.2	0.0	0.4	0.0	0.2	0.1	0.2	0.0	-0.2
Race/Ethnicity (2-year average): b														
White	0.4	0.5	0.6	0.4	0.3	0.4	0.4	0.3	0.2	0.2	0.2	0.3	0.4	0.0
African American	0.2	0.2	0.2	0.1	0.3	0.7	0.6	0.6	0.6	0.3	0.2	0.4	0.3	-0.1
Hispanic	1.1	1.0	0.5	8.0	1.6	1.2	0.3	0.4	0.3	0.6	0.7	0.4	0.5	+0.1

Notes.

Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available.'*' indicates less than 0.05% but greater than 0%. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1996; N is one half of N indicated in Table S1. Data based on three of four forms in 1997–1998; N is two thirds of N indicated in Table S1. Data are based on one of four forms beginning in 2002; N is one sixth of N indicated in Table S1.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 91

ROHYPNOL: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 10</u>

				Pe	ercentage	e who us	ed in last	12 mont	ths			
	1991–											,
	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	2001	2002	2003	2004	2005	<u>2006</u>
Approximate weighted N =	_	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200
Total	_	1.1	1.3	1.2	1.0	8.0	1.0	0.7	0.6	0.7	0.5	0.5
Gender:												
Male	_	1.1	1.4	1.4	1.2	1.0	1.1	0.4	0.7	8.0	0.3	0.4
Female	_	1.1	1.1	1.1	0.9	0.6	0.9	0.9	0.6	0.6	0.6	0.7
College Plans:												
None or under 4 years	_	2.9	2.7	2.9	2.8	1.4	2.8	0.5	0.3	1.4	1.6	1.5
Complete 4 years	_	0.8	1.1	0.9	8.0	0.6	0.7	0.7	0.6	0.6	0.3	0.4
Region:												
Northeast	_	0.6	0.7	0.9	0.4	0.6	0.9	0.4	1.0	8.0	0.7	0.3
Midwest	_	0.5	8.0	1.0	0.9	0.4	0.9	0.3	0.2	0.3	0.2	1.0
South	_	1.9	2.4	2.0	1.8	1.2	1.0	0.4	8.0	0.9	0.7	0.7
West	_	1.1	0.6	0.5	0.6	0.7	1.3	2.0	0.4	0.9	0.2	0.0
Population Density:												
Large MSA	_	1.1	1.3	1.3	0.9	0.9	1.2	0.7	0.3	0.6	0.3	0.2
Other MSA	_	1.4	1.3	1.3	1.3	0.9	8.0	0.9	0.4	0.7	0.5	0.7
Non-MSA	_	0.6	1.3	1.0	0.7	0.5	1.2	0.3	1.5	8.0	0.5	8.0
Parental Education: a												
1.0–2.0 (Low)	_	1.7	1.3	1.7	1.2	1.3	2.3	0.4	1.3	0.4	1.1	1.4
2.5–3.0	_	1.0	1.1	1.6	1.6	0.5	1.1	0.9	0.7	0.4	0.5	0.3
3.5-4.0	_	1.5	1.6	1.0	8.0	0.8	0.7	1.0	0.9	1.0	0.4	0.7
4.5–5.0	_	0.7	1.5	0.9	0.6	0.7	1.1	0.7	0.2	0.6	0.6	0.3
5.5–6.0 (High)	_	1.1	8.0	1.3	1.1	0.8	0.3	0.2	0.4	1.0	0.0	0.0
Race/Ethnicity (2-year average): b												
White	_	_	1.4	1.5	1.5	1.0	1.0	1.0	0.6	0.9	8.0	0.5
African American	_	_	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.2	0.4	0.3
Hispanic	_	_	1.0	1.2	1.1	0.7	0.9	1.0	0.7	0.3	0.2	0.6

TABLE 91 (cont.)

ROHYPNOL: Trends in Annual Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 12 months													
	0007	0000	0000	0040	0044	0040	0040	0044	0045	0040	0047	0040	0040	2018-2019
Approximate weighted N =	2007 16 100	2008 15,100	2009 15,900	2010 15,200	2011 14,900	2012 15,000	2013 12,900	2014 13,000	2015 15,600	2016 14,700	2017 13,500	2018 14,300	<u>2019</u> 14.000	<u>change</u>
Total	0.7	0.4	0.4	0.6	0.6	0.5	0.6	0.5	0.2	0.5	0.3	0.3	0.6	+0.3
Gender:	0	0	0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	
Male	0.7	0.3	0.3	0.6	0.8	0.4	0.7	0.7	0.1	0.6	0.0	0.1	0.3	+0.1
Female	0.7	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.3	0.2	0.5	0.5	0.9	+0.4
College Plans:	٠	0.0	0.0	0.0	0.0	0.0	0	0	0.0	0.2	0.0	0.0	0.0	
None or under 4 years	1.4	0.5	0.9	1.2	0.9	2.3	0.6	1.8	0.7	2.4	0.4	0.9	0.0	-0.9
Complete 4 years	0.6	0.4	0.4	0.5	0.6	0.3	0.6	0.4	0.2	0.3	0.2	0.2	0.7	+0.4
Region:														
Northeast	0.5	0.7	0.2	0.9	0.6	0.8	0.3	0.1	0.1	0.3	0.5	0.1	0.1	0.0
Midwest	1.4	0.2	0.9	0.3	0.5	0.3	1.1	0.5	0.1	0.9	0.3	0.3	0.1	-0.2
South	0.5	0.4	0.3	0.8	0.8	0.5	0.4	0.8	0.4	0.1	0.3	0.3	1.1	+0.7
West	0.4	0.4	0.3	0.2	0.6	0.5	0.4	0.7	0.1	1.0	0.1	0.5	0.6	+0.1
Population Density:														
Large MSA	0.7	0.1	0.3	0.5	0.7	0.5	8.0	0.3	0.4	0.5	0.4	0.2	1.2	+1.0
Other MSA	0.6	0.7	0.5	0.7	0.5	0.4	0.4	0.4	0.1	0.4	0.3	0.3	0.3	+0.1
Non-MSA	0.9	0.3	0.4	0.4	0.9	0.5	0.7	1.3	0.0	8.0	0.0	0.6	0.1	-0.5
Parental Education: ^a														
1.0-2.0 (Low)	0.4	1.2	0.2	0.7	0.0	0.8	0.6	0.6	0.9	1.8	0.9	0.4	0.7	+0.3
2.5–3.0	0.6	0.3	0.4	0.3	0.6	0.8	0.5	1.3	0.0	0.7	0.1	0.0	0.8	+0.8
3.5–4.0	0.5	0.5	0.9	0.4	0.5	0.0	0.8	0.8	0.0	0.3	0.2	0.4	0.3	-0.1
4.5–5.0	0.6	0.2	0.1	0.6	1.2	0.2	0.6	0.1	0.2	0.2	0.3	0.4	0.0	-0.4
5.5-6.0 (High)	1.1	0.6	0.6	1.0	0.0	1.1	0.4	0.0	0.5	0.5	0.1	0.2	1.8	+1.6
Race/Ethnicity (2-year average): b														
White	0.6	0.5	0.5	0.6	8.0	0.6	0.5	0.7	0.5	0.4	0.3	0.4	0.6	+0.3
African American	0.0	0.0	0.1	0.3	0.5	0.3	0.1	0.5	0.3	0.3	0.3	0.1	0.1	0.0
Hispanic	8.0	0.6	0.3	0.4	0.3	0.3	0.5	0.7	0.3	0.4	0.6	0.4	0.3	0.0

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1996; N is one half of N indicated in Table S2. Data based on three of four forms in 1997–1998; N is two thirds of N indicated in Table S2. Data based on two of four forms beginning in 2002; N is one sixth of N indicated in Table S2.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 92

ROHYPNOL: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

				Pe	ercentage	who us	ed in last	t 12 mont	ths			
	1975–											
	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	2001 ^a	2002 ^a	2003	2004	2005	2006
Approximate weighted N =	· —	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200
Total	_	1.1	1.2	1.4	1.0	8.0	0.9‡	1.6	1.3	1.6	1.2	1.1
Gender:												
Male	_	1.8	1.2	1.7	1.0	8.0	1.1‡	2.3	2.0	2.3	1.5	1.3
Female	_	0.3	1.1	1.1	1.0	0.7	0.6‡	1.0	0.5	0.7	8.0	0.5
College Plans:												
None or under 4 years	_	1.4	0.5	1.8	1.0	0.1	1.2‡	2.5	2.1	3.0	2.4	1.6
Complete 4 years	_	8.0	1.3	1.3	1.0	0.9	0.8‡	1.4	0.9	1.0	0.9	0.8
Region:												
Northeast	_	0.9	0.6	1.2	8.0	0.3	1.7‡	1.2	1.4	8.0	1.1	1.3
Midwest	_	1.0	0.5	1.0	8.0	0.9	0.5‡	1.8	1.2	1.3	1.7	0.8
South	_	1.8	2.2	2.6	1.6	1.3	1.0‡	1.5	1.4	2.1	1.3	1.3
West	_	0.1	8.0	0.0	0.2	0.1	0.8‡	2.0	1.1	1.8	0.6	1.3
Population Density:												
Large MSA	_	1.3	0.9	8.0	0.3	0.3	1.0‡	1.6	1.1	1.8	1.4	1.2
Other MSA	_	1.3	1.5	2.2	1.4	1.1	1.2‡	2.0	1.7	1.6	1.2	1.0
Non-MSA	_	0.7	0.7	0.6	0.9	0.7	0.3‡	1.1	0.9	1.2	1.1	1.4
Parental Education: b												
1.0–2.0 (Low)	_	1.6	0.4	0.6	4.7	0.0	4.2‡	3.7	2.8	3.4	3.9	1.2
2.5–3.0	_	0.5	0.6	1.0	0.3	0.4	0.4‡	2.9	1.8	1.8	1.2	1.2
3.5–4.0	_	8.0	1.4	1.1	1.1	1.5	0.8‡	8.0	1.2	1.5	1.4	1.0
4.5–5.0	_	0.9	1.7	2.7	0.3	0.6	0.8‡	1.6	0.9	0.6	0.3	1.2
5.5-6.0 (High)	_	1.8	1.7	1.4	0.7	0.0	0.2‡	8.0	0.2	1.5	0.9	0.7
Race/Ethnicity (2-year average): c												
White	_	_	1.2	1.6	1.5	0.9	0.8‡	_	1.5	1.3	1.1	0.9
African American	_	_	0.1	0.0	0.2	0.4	0.2‡	_	8.0	1.2	1.7	1.3
Hispanic	_	_	2.0	1.3	1.0	0.6	1.3‡	_	1.6	1.7	1.9	2.1

TABLE 92 (cont.)

ROHYPNOL: Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months													
														2018-2019
A managina ata sua indata di Al —	<u>2007</u>	2008 14.000	2009 13.700	2010 14.400	2011 14.100	2012	2013 12.600	<u>2014</u>	<u>2015</u>	2016 11.800	2017 12.600	2018 13.300	<u>2019</u>	<u>change</u>
Approximate weighted N =	1.0	1.3	1.0	1.5	1.3	13,700	,	12,400	12,900 1.0	1.1	0.8	0.7	12,900	0.2
Total	1.0	1.3	1.0	1.5	1.3	1.5	0.9	0.7	1.0	1.1	0.8	0.7	0.5	-0.2
Gender:	0.0	4.5	4.4	0.0	0.0	4.0	0.0	0.0	0.0	4.0	0.7	0.5	0.7	.00
Male	0.9	1.5	1.1	2.2	2.0	1.2	0.9	0.9	0.9	1.0	0.7	0.5	0.7	+0.3
Female	0.7	8.0	8.0	0.7	0.5	0.7	0.7	0.4	0.7	1.0	8.0	0.4	0.3	-0.1
College Plans:														
None or under 4 years	1.8	2.3	1.8	3.8	1.7	2.7	1.7	0.6	1.0	3.9	2.5	1.5	1.5	0.0
Complete 4 years	0.7	1.0	8.0	0.9	1.2	8.0	0.6	0.7	8.0	0.4	0.3	0.3	0.2	-0.1
Region:														
Northeast	1.7	8.0	0.7	2.2	1.9	0.9	0.9	1.3	0.2	0.7	2.0	0.3	0.0	-0.3
Midwest	0.9	1.0	1.3	1.5	0.6	1.1	1.0	0.5	1.6	1.6	0.6	0.6	8.0	+0.2
South	1.0	2.0	1.1	1.0	1.7	2.3	1.0	0.7	1.0	1.3	0.6	1.3	0.3	-1.0
West	0.5	0.9	0.5	1.8	1.0	1.1	0.7	0.3	8.0	0.6	0.4	0.1	1.0	+0.9
Population Density:														
Large MSA	1.0	0.6	1.0	1.5	0.7	1.4	0.5	0.7	1.4	0.6	0.6	0.7	0.6	-0.1
Other MSA	1.1	1.8	1.2	1.5	1.4	1.1	0.9	0.8	0.9	1.7	1.0	0.6	0.4	-0.2
Non-MSA	8.0	1.0	0.4	1.3	1.8	2.6	1.5	0.4	0.6	0.5	0.6	1.0	0.6	-0.4
Parental Education: ^b														
1.0-2.0 (Low)	1.3	1.6	2.1	1.0	3.6	1.4	2.1	3.2	0.7	3.8	1.0	1.0	1.8	+0.7
2.5–3.0	8.0	1.7	1.2	1.2	1.0	1.1	1.2	0.5	0.3	1.6	1.6	1.2	0.6	-0.6
3.5-4.0	0.5	1.3	0.8	1.3	1.1	1.4	0.3	0.3	0.8	0.2	0.4	0.6	0.7	+0.1
4.5–5.0	1.4	0.7	0.4	1.4	1.0	1.4	0.4	0.5	0.6	8.0	0.3	0.3	0.0	-0.3
5.5-6.0 (High)	0.9	0.6	0.9	2.0	1.0	1.1	0.0	0.0	0.3	0.0	0.2	0.3	0.0	-0.3
Race/Ethnicity (2-year average): °														
White	0.7	0.9	1.0	1.1	1.3	0.9	0.7	0.4	0.4	0.6	0.8	0.7	0.4	-0.2
African American	1.6	2.1	1.7	1.2	1.3	1.8	2.0	1.9	2.1	2.2	1.4	0.3	0.4	0.0
Hispanic	1.5	8.0	1.3	1.5	1.0	1.5	1.4	0.8	0.5	0.8	0.7	8.0	1.1	+0.3

Source.

The Monitoring the Future study, the University of Michigan.

Notes.

'‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of six forms in 1996–2001; N is one sixth of N indicated in Table S3. Data based on two of six forms beginning in 2002; N is two sixths of N indicated in Table S3. Data based on one of six forms beginning in 2010; N is one sixth of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aThe 2001 and 2002 data are not comparable due to changes in the questionnaire forms.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 93 **ALCOHOL:** Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 8</u>

						Perce	entage w	ho used	in last 30) days					
	<u>1991</u>	<u>1992</u>	<u>1993</u> ª	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	2003	<u>2004</u> ^a	<u>2005</u>
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800
Total	25.1	26.1‡	24.3	25.5	24.6	26.2	24.5	23.0	24.0	22.4	21.5	19.6	19.7	18.6	17.1
Gender:															
Male	26.3	26.3‡	25.3	26.5	25.0	26.6	25.2	24.0	24.8	22.5	22.3	19.1	19.4	17.9	16.2
Female	23.8	25.9‡	23.7	24.7	24.0	25.8	23.9	21.9	23.3	22.0	20.6	20.0	19.8	19.0	17.9
College Plans:															
None or under 4 years	37.2	39.6‡	41.1	41.4	40.0	41.7	40.2	41.2	41.6	38.3	37.0	35.3	35.3	32.6	32.6
Complete 4 years	23.1	24.2‡	22.2	23.6	22.6	24.0	22.8	21.0	22.0	20.4	19.7	18.2	18.1	17.2	15.5
Region:															
Northeast	24.3	23.8‡	21.0	25.4	24.1	26.9	24.8	21.2	25.7	25.6	23.3	19.3	18.4	18.0	14.5
Midwest	26.6	28.3‡	24.7	24.2	24.7	26.9	22.8	23.9	25.7	24.1	21.2	19.1	21.9	19.3	16.9
South	25.1	26.8‡	25.4	25.6	25.5	26.3	26.4	23.8	24.4	20.9	22.8	21.6	20.8	18.8	19.0
West	23.1	23.5‡	25.6	27.2	23.1	24.8	22.7	22.2	19.8	20.2	18.1	17.0	16.0	17.9	16.4
Population Density:															
Large MSA	25.4	27.4‡	21.2	23.8	22.3	24.9	23.1	21.4	21.7	21.2	19.4	17.4	18.2	18.1	17.2
Other MSA	24.3	26.1‡	26.0	27.4	25.3	27.4	24.9	22.4	23.4	21.3	21.5	20.1	19.4	19.1	17.9
Non-MSA	26.2	24.2‡	24.9	23.8	26.0	25.7	25.4	26.0	28.1	26.1	24.1	21.4	22.3	18.1	15.6
Parental Education: b															
1.0-2.0 (Low)	30.7	32.8‡	28.0	33.5	30.8	28.1	29.7	28.9	30.7	30.2	28.5	27.6	25.5	24.2	23.8
2.5–3.0	27.0	27.2‡	28.0	27.4	27.8	30.1	26.2	26.5	27.9	26.3	27.0	23.2	24.0	22.1	20.4
3.5-4.0	25.1	26.3‡	25.9	26.7	26.8	27.6	27.8	24.5	25.2	23.0	23.3	21.2	22.0	20.0	18.8
4.5–5.0	22.8	24.6‡	20.6	22.6	21.0	25.0	22.6	20.2	20.4	18.4	17.2	17.0	16.0	16.3	14.6
5.5-6.0 (High)	24.0	25.2‡	22.3	23.6	20.5	21.5	20.5	21.3	22.1	19.0	16.4	15.1	15.7	15.8	13.1
Race/Ethnicity (2-year average): c															
White	_	26.6	27.1‡	25.3	25.4	26.6	26.7	24.8	24.7	24.7	23.2	21.5	20.1	19.2	17.9
African American	_	18.6	19.7‡	19.4	18.7	18.1	17.9	16.1	16.1	16.0	15.0	14.8	15.5	16.2	14.9
Hispanic	_	31.0	32.3±	33.5	32.4	29.7	29.8	29.5	29.0	26.7	25.7	26.5	25.3	23.5	20.6

TABLE 93 (cont.) **ALCOHOL:** Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 8</u>

Percentage who used in last 30 days

•															2018-2019
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	change
Approximate weighted N =	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	14,400	16,900	15,300	14,000	13,600	
Total	17.2	15.9	15.9	14.9	13.8	12.7	11.0	10.2	9.0	9.7	7.3	8.0	8.2	7.9	-0.2
Gender:															
Male	16.3	15.6	15.4	14.7	13.2	12.1	10.3	9.3	8.2	9.1	6.7	6.8	7.4	7.3	0.0
Female	17.6	16.0	16.4	14.9	14.3	12.8	11.6	11.2	9.5	9.9	7.8	9.1	9.1	8.3	-0.8
College Plans:															
None or under 4 years	30.8	33.5	30.4	31.7	25.7	24.6	23.3	23.6	17.0	15.5	14.6	14.5	15.7	13.5	-2.2
Complete 4 years	15.8	14.3	14.7	13.5	12.8	11.7	10.0	9.4	8.3	9.1	6.7	7.3	7.3	7.1	-0.2
Region:															
Northeast	16.9	12.9	15.9	15.3	13.3	8.8	9.3	9.1	7.6	8.2	5.9	5.8	6.8	5.3	-1.5
Midwest	17.0	15.5	16.1	13.0	12.2	11.7	7.8	8.5	8.9	7.9	6.3	6.9	7.6	8.9	+1.3
South	18.5	17.1	18.2	17.4	15.7	14.2	13.3	12.5	9.8	10.8	8.4	8.1	8.0	9.1	+1.1
West	15.3	15.9	12.6	12.5	12.5	14.2	11.5	9.1	8.6	10.2	7.3	10.3	9.9	7.3	-2.7
Population Density:															
Large MSA	16.6	14.8	15.2	12.9	13.5	11.5	10.3	9.5	8.8	9.2	6.4	7.5	8.7	6.7	-2.0 ss
Other MSA	17.4	16.1	16.3	15.9	14.0	13.1	11.8	10.4	9.0	9.6	7.0	8.0	7.9	7.8	-0.2
Non-MSA	17.5	16.8	16.2	15.5	13.5	13.6	10.6	11.1	9.2	10.4	9.3	8.7	7.9	10.5	+2.6
Parental Education: b															
1.0-2.0 (Low)	24.1	26.1	25.5	22.8	19.2	19.7	17.1	16.2	11.3	13.4	10.3	11.8	10.8	9.6	-1.2
2.5-3.0	20.0	20.3	19.3	18.3	17.4	16.6	15.3	13.2	11.5	11.6	9.5	10.5	10.9	10.9	0.0
3.5-4.0	19.0	16.9	16.8	16.8	15.3	14.1	11.7	12.7	10.7	10.4	6.9	8.5	9.5	9.4	-0.1
4.5–5.0	13.9	11.6	13.4	11.5	11.4	9.5	8.9	7.5	7.6	7.7	6.3	6.9	6.3	6.9	+0.6
5.5-6.0 (High)	13.8	11.2	11.5	10.4	9.2	9.3	7.3	7.4	6.5	8.0	6.2	5.5	6.4	5.6	-0.8
Race/Ethnicity (2-year average): c															
White	16.9	15.6	15.2	15.4	13.9	12.3	10.7	9.5	9.0	8.9	8.2	7.2	7.3	8.0	+0.8
African American	13.1	12.3	12.9	12.3	11.8	11.6	10.0	9.7	8.8	8.2	6.9	6.0	6.0	4.9	-1.1
Hispanic	21.2	23.0	21.5	19.2	18.1	18.0	17.5	14.3	11.2	10.4	9.5	9.0	9.8	9.6	-0.3

Source. The Monitoring the Future study, the University of Michigan.

Notes. '‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any 'apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aIn 1993, the question text was changed slightly in one form to indicate that a drink meant more than a few sips. The 1993 data are based on the changed form only; N is one half of N indicated. In 1994 the question text was changed in the remaining form. Beginning in 1994, the data are based on all forms. In 2004, the question text was changed slightly in half of the forms. An examination of the data did not show any effect from the wording change. The remaining forms were changed in 2005. ^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 94 **ALCOHOL:** Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

						Perce	ntage w	ho used	in last 30) days					
	<u>1991</u>	<u>1992</u>	<u>1993</u> ^a	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	2003	<u>2004</u> ^a	<u>2005</u>
Approximate weighted N =		14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200
Total	42.8	39.9‡	38.2	39.2	38.8	40.4	40.1	38.8	40.0	41.0	39.0	35.4	35.4	35.2	33.2
Gender:															
Male	45.5	41.6‡	40.6	43.5	39.7	42.6	42.5	40.0	42.3	43.3	41.1	35.3	35.3	36.3	32.8
Female	40.2	38.3‡	35.6	34.8	37.8	38.3	37.9	37.7	38.1	38.6	36.8	35.7	35.3	34.0	33.6
College Plans:															
None or under 4 years	53.6	49.5‡	48.6	52.0	52.2	53.3	51.6	52.4	53.7	53.9	52.2	47.1	46.6	47.5	44.9
Complete 4 years	40.6	37.9‡	36.1	36.4	36.4	38.3	38.1	36.5	37.9	39.1	36.8	33.5	33.6	33.6	31.6
Region:															
Northeast	48.0	42.3‡	42.4	37.4	38.3	41.4	41.1	41.6	44.8	42.0	37.8	36.3	38.7	40.4	37.0
Midwest	43.5	40.3‡	37.4	39.6	38.9	39.1	38.6	37.6	40.9	42.5	41.0	35.7	34.4	30.9	31.9
South	41.7	38.2‡	38.0	40.5	39.4	41.7	40.8	39.9	38.8	39.1	38.3	33.7	34.8	36.4	33.4
West	39.6	39.8‡	35.6	38.2	38.0	38.9	39.9	35.5	36.1	41.1	38.2	37.2	34.1	33.7	30.7
Population Density:															
Large MSA	43.6	40.4‡	39.0	36.3	34.6	37.9	37.8	34.2	39.7	42.4	37.6	32.0	33.1	32.0	31.1
Other MSA	41.4	38.6‡	36.2	40.1	39.9	41.0	40.2	39.0	39.7	39.3	38.3	35.2	35.6	37.0	34.4
Non-MSA	44.8	41.9‡	41.3	40.6	41.3	42.1	42.6	43.7	41.0	42.4	41.8	40.4	38.3	35.8	33.5
Parental Education: b															
1.0-2.0 (Low)	42.1	40.4‡	37.5	38.6	43.5	43.2	39.2	39.9	40.6	41.1	38.6	38.2	38.4	38.6	36.5
2.5–3.0	43.9	40.9‡	40.6	41.5	42.3	42.6	41.1	41.2	42.3	42.8	41.4	38.0	37.4	38.5	36.0
3.5-4.0	44.2	40.0‡	38.0	40.6	38.8	42.2	41.6	40.1	40.2	42.8	41.0	36.4	36.6	37.5	33.5
4.5–5.0	40.7	39.4‡	36.2	37.7	37.9	37.8	39.3	36.9	38.7	40.2	37.0	33.7	32.7	32.6	31.8
5.5-6.0 (High)	44.9	41.7‡	39.3	35.4	34.3	39.6	38.9	37.0	40.9	39.0	37.1	32.0	34.1	32.4	31.8
Race/Ethnicity (2-year average): c															
White	_	44.1	43.1‡	40.4	41.0	42.2	43.0	42.7	43.0	43.9	42.7	40.0	38.7	37.8	37.0
African American	_	30.2	29.3‡	29.7	28.0	23.9	24.6	25.1	24.4	24.7	25.3	24.3	23.7	24.6	23.0
Hispanic	_	41.0	39.9‡	37.7	40.5	44.0	42.8	39.4	39.6	40.5	40.2	37.9	37.1	39.5	38.2

TABLE 94 (cont.) **ALCOHOL:** Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

	Percentage who used in last 30 days														
															2018-2019
	<u>2006</u>	<u>2007</u>	2008	2009	<u>2010</u>	<u>2011</u>	2012	2013	2014	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	change
Approximate weighted N =	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	15,600	14,700	13,500	14,300	14,000	
Total	33.8	33.4	28.8	30.4	28.9	27.2	27.6	25.7	23.5	21.5	19.9	19.7	18.6	18.4	-0.2
Gender:															
Male	33.8	33.4	28.6	31.0	30.1	28.2	28.0	26.0	23.0	20.6	18.6	17.1	18.2	18.1	-0.1
Female	33.8	33.3	29.0	29.8	27.7	26.0	27.1	25.3	23.9	22.5	20.9	22.1	19.1	18.6	-0.5
College Plans:															
None or under 4 years	44.8	47.4	44.6	45.5	45.6	41.4	40.9	37.1	37.0	32.0	28.9	26.6	25.3	24.1	-1.2
Complete 4 years	32.5	31.7	26.9	28.8	26.9	25.6	26.3	24.4	22.1	20.5	19.0	18.8	17.7	17.3	-0.4
Region:															
Northeast	35.7	36.2	31.4	30.5	29.5	31.5	33.3	28.4	27.0	24.0	19.8	21.1	20.4	19.5	-0.9
Midwest	33.7	34.4	29.5	28.9	27.4	23.2	24.5	22.4	20.4	19.1	18.1	17.2	16.6	17.7	+1.1
South	32.8	31.2	29.0	32.2	29.9	27.7	28.3	27.4	24.3	22.9	21.7	19.2	19.5	18.6	-1.0
West	33.9	32.9	25.9	29.0	28.7	27.5	24.9	24.6	22.6	19.4	19.2	21.8	17.8	18.0	+0.3
Population Density:															
Large MSA	32.5	31.8	27.4	30.3	29.3	26.5	27.4	24.8	23.3	21.2	21.0	22.4	19.6	16.7	-2.9
Other MSA	34.5	33.3	28.7	29.7	28.4	27.7	26.9	26.5	24.0	21.4	18.1	17.9	18.8	19.1	+0.3
Non-MSA	34.4	36.2	31.1	31.9	29.4	27.1	29.1	24.9	22.6	22.4	23.0	19.8	16.8	19.5	+2.7
Parental Education: b															
1.0-2.0 (Low)	33.1	36.5	35.5	37.4	34.2	30.3	32.2	29.4	26.3	23.2	20.0	21.2	20.3	19.4	-0.9
2.5–3.0	38.0	37.0	30.9	32.9	33.1	30.2	28.6	30.3	25.0	22.8	22.0	18.4	19.0	21.4	+2.5
3.5-4.0	35.6	35.6	30.4	31.3	30.3	29.4	28.6	26.8	26.2	23.6	21.2	22.0	18.8	19.6	+0.8
4.5–5.0	32.0	31.5	25.9	28.2	26.3	24.3	27.6	22.6	21.3	19.9	19.2	18.6	17.3	16.7	-0.6
5.5-6.0 (High)	31.7	28.8	26.2	27.4	24.5	24.0	26.2	23.4	22.1	21.6	20.3	21.0	22.0	18.2	-3.9
Race/Ethnicity (2-year average): c															
White	36.3	35.9	33.3	31.5	30.8	29.1	29.1	28.2	26.4	24.6	23.0	22.4	21.9	20.8	-1.1
African American	21.5	21.7	20.6	20.2	20.7	20.8	20.2	19.0	16.6	15.1	13.9	11.4	10.2	11.4	+1.2
Hispanic	36.1	34.8	33.7	34.1	34.9	31.8	28.4	28.8	27.1	24.0	21.4	20.8	20.0	19.2	-0.8

Notes. '‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aIn 1993, the question text was changed slightly in one form to indicate that a drink meant more than a few sips. The 1993 data are based on the changed form only;

N is one half of N indicated. In 1994 the question text was changed in the remaining form. Beginning in 1994, the data are based on all forms. In 2004, the question text was changed slightly in half of the forms. An examination of the data did not show any effect from the wording change. The remaining forms were changed in 2005.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 95 **ALCOHOL:** Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

Percentage who used in last 30 days 1975 1976 1977 1978 1979 1980 1981 1982 1984 1985 1986 1987 1988 1989 1990 1983 17,500 15,200 Approximate weighted N = 9,400 15,400 17,100 17,800 15,500 15,900 17,700 16,300 15,900 16,000 15,200 16,300 16,300 16,700 Total 68.3 71.8 70.7 69.7 65.3 60.0 57.1 68.2 71.2 72.1 72.0 69.4 67.2 65.9 66.4 63.9 Gender: 77.5 69.0 69.9 Male 75.0 74.5 77.8 76.7 77.4 75.7 74.1 74.4 71.4 69.8 68.0 65.1 61.3 Female 62.2 61.8 65.0 67.1 67.0 66.8 65.7 65.4 64.3 62.8 62.1 61.9 63.1 59.9 54.9 52.3 College Plans: None or under 4 years 69.9 72.8 72.7 72.2 73.5 72.1 71.6 70.5 69.0 67.9 66.6 68.6 65.0 61.6 58.7 70.8 70.0 Complete 4 years 66.5 69.4 71.6 71.4 68.6 68.1 65.7 64.6 64.8 65.7 63.6 59.1 56.4 Region: Northeast 76.9 75.7 76.6 78.0 81.1 79.4 80.4 76.7 74.4 73.6 72.3 67.6 69.1 66.7 61.7 65.3 Midwest 71.1 73.2 76.4 77.2 73.9 75.1 73.6 75.0 74.4 70.6 66.8 71.3 70.7 67.9 65.9 61.5 58.6 South 62.8 60.2 64.7 67.0 65.7 65.5 62.9 61.3 64.3 62.1 60.0 58.2 60.7 55.1 51.0 West 60.0 62.2 64.4 63.1 65.5 67.6 65.3 63.8 62.9 63.6 66.2 64.5 66.7 65.0 59.3 51.6 Population Density: Large MSA 75.3 72.6 74.0 75.5 77.3 78.0 75.5 72.9 69.2 66.6 67.4 66.2 66.3 63.8 56.9 59.2 Other MSA 68.5 67.0 72.0 72.7 72.0 70.8 69.1 69.3 69.8 66.2 65.1 64.8 66.9 64.1 60.7 57.4 Non-MSA 63.2 66.5 67.8 68.4 67.3 69.0 68.9 67.6 69.0 69.0 65.9 65.2 65.5 63.8 61.7 Parental Education: b 61.3 1.0-2.0 (Low) 58.7 62.5 62.0 62.7 64.6 65.9 62.1 61.2 58.1 58.7 56.1 56.3 54.5 47.8 47.2 2.5-3.0 70.0 71.4 72.5 71.9 71.1 72.0 70.7 69.4 69.2 67.4 65.9 65.3 67.0 64.6 59.7 57.2 3.5-4.0 69.2 67.9 73.5 75.0 74.6 73.3 71.5 72.7 70.4 69.6 66.9 66.7 67.2 64.3 62.9 57.7 4.5-5.0 69.6 71.3 74.5 77.0 76.0 74.4 73.1 74.5 73.1 69.3 68.9 68.0 68.8 66.0 62.1 60.8 5.5-6.0 (High) 67.3 72.5 77.1 79.2 75.9 77.2 77.4 74.1 75.0 70.3 67.9 69.9 70.5 67.3 62.2 60.8 Race/Ethnicity (2-year average): c White 72.8 75.0 75.3 75.4 75.4 74.6 73.9 72.8 71.2 70.2 71.0 70.6 67.3 63.8 African American 49.5 48.7 47.2 47.6 46.7 46.0 47.7 45.5 42.8 42.1 39.4 39.8 39.5 35.8 Hispanic 63.0 64.5 63.8 63.6 62.0 60.3 59.1 59.7 58.1 56.3 57.2 57.8 52.9 49.1

TABLE 95 (cont.) **ALCOHOL:** Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

Percentage who used in last 30 days 1993^a 2004^c 1991 1992 1994 1995 1996 1998 2000 2001 2002 2003 2005 2006 1997 <u> 1999</u> 12,900 14,600 14,200 Approximate weighted N = 15,00015,800 16,300 15,400 15,400 14,300 15,400 15,200 13,600 12,800 12,800 14,600 14,700 Total 52.7 52.0 50.0 49.8 48.6 47.5 48.0 47.0 45.3 54.0 51.3‡ 48.6 50.1 51.3 50.8 51.0 Gender: 55.8‡ 54.2 50.7 47.3 Male 58.4 55.5 55.7 54.8 56.2 57.3 55.3 54.0 54.7 52.3 51.7 51.1 Female 49.0 46.8‡ 43.4 45.2 47.0 46.9 48.9 46.9 46.8 46.1 45.1 45.1 43.8 45.1 43.3 43.0 College Plans: None or under 4 years 57.1 54.9‡ 52.4 53.6 55.9 54.8 56.1 56.0 55.2 54.3 55.5 53.0 55.4 52.1 52.8 54.0 49.3 50.9 47.9 47.4 Complete 4 years 52.7 50.0‡ 47.4 48.9 49.6 51.4 49.8 48.3 45.2 47.0 45.5 43.2 Region: Northeast 59.6 51.5‡ 56.1 53.1 55.0 56.5 56.7 56.2 57.2 58.0 54.3 50.9 51.6 53.9 54.5 52.4 Midwest 59.7 58.0‡ 51.6 53.8 55.3 51.5 51.5 51.9 51.1 52.3 54.5 52.1 50.8 49.5 48.0 46.3 South 49.1 48.1‡ 47.7 49.2 50.6 51.1 51.1 51.4 49.5 44.9 45.9 46.8 43.0 43.5 43.9 43.2 West 49.7 46.7± 39.8 44.2 43.2 42.1 52.7 49.2 47.8 48.3 44.9 45.0 47.0 47.3 43.6 41.3 Population Density: Large MSA 52.9 49.0± 50.6 49.5 50.6 51.6 51.1 49.1 48.9 51.2 49.7 50.3 43.0 44.1 46.6 47.6 Other MSA 55.7 50.8‡ 47.1 49.2 50.6 50.1 53.4 53.9 52.8 48.8 49.6 48.8 49.6 51.7 47.6 43.9 Non-MSA 52.0 54.1± 49.8 52.5 53.4 51.4 52.9 51.6 50.1 50.8 50.0 45.9 49.6 45.5 46.1 44.7 Parental Education: b 1.0-2.0 (Low) 49.9 45.6± 36.6 43.5 45.9 41.2 43.8 43.8 46.8 43.4 42.9 42.2 43.6 42.1 38.2 44.4 2.5-3.0 53.3 52.3‡ 49.0 49.9 52.0 48.2 51.0 50.1 50.5 50.0 49.0 47.9 47.8 46.8 47.8 46.7 3.5-4.0 54.3 51.2± 51.2 50.1 50.6 51.4 52.1 55.6 51.1 51.3 51.4 50.9 47.9 52.4 47.8 46.3 4.5-5.0 54.8 51.0‡ 49.8 52.6 51.8 53.6 55.3 52.4 50.2 48.1 51.5 48.9 47.5 47.7 50.2 42.9 5.5-6.0 (High) 58.0 55.7‡ 53.2 52.2 55.1 54.2 57.4 54.7 56.0 54.0 49.5 51.1 49.3 47.4 46.0 48.2 Race/Ethnicity (2-year average): c White 60.0 56.8 55.6± 54.0 54.5 54.8 56.4 57.7 56.3 55.1 55.3 54.0 52.3 52.2 52.3 50.7 African American 33.7 31.7 32.4‡ 33.8 35.2 36.5 34.3 33.3 32.2 30.0 29.4 30.1 29.9 29.2 29.0 29.2 Hispanic 51.5 53.8 50.5‡ 45.9 48.7 47.5 48.2 49.8 50.2 51.2 48.9 47.5 46.4 45.4 43.3 43.4

TABLE 95 (cont.) **ALCOHOL:** Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

	Percentage who used in last 30 days													
Approximate weighted N =	2007 14,500	2008 14,000	2009 13,700	2010 14,400	<u>2011</u> 14,100	2012 13,700	2013 12,600	2014 12,400	2015 12,900	<u>2016</u> 11,800	2017 12,600	2018 13,300	<u>2019</u> 12,900	2018-2019 <u>change</u>
Total	44.4	43.1	43.5	41.2	40.0	41.5	39.2	37.4	35.3	33.2	33.2	30.2	29.3	-0.9
Gender:														
Male	47.1	45.8	47.8	44.2	42.1	43.8	41.8	37.4	36.0	34.5	34.1	30.4	29.8	-0.7
Female	41.4	40.9	38.9	37.9	37.5	38.8	36.3	37.1	35.0	32.0	32.3	30.1	28.5	-1.5
College Plans:														
None or under 4 years	48.6	49.7	51.0	47.9	45.2	44.2	45.3	40.2	37.9	35.6	35.7	30.9	31.1	+0.2
Complete 4 years	43.3	41.7	41.6	39.3	38.8	40.7	37.9	36.6	35.0	32.5	32.8	30.0	28.7	-1.3
Region:														
Northeast	51.8	49.1	48.4	49.2	46.3	48.1	45.7	41.6	42.7	36.9	37.3	32.6	30.5	-2.1
Midwest	47.9	42.8	45.0	40.8	41.2	41.8	39.0	40.2	33.6	33.7	34.0	30.4	29.4	-1.1
South	43.1	42.9	42.0	39.6	37.5	36.6	35.4	34.6	33.1	31.3	31.7	30.0	28.3	-1.7
West	36.6	39.2	39.2	37.4	38.0	43.1	39.8	36.1	35.4	33.8	32.1	28.5	30.4	+1.9
Population Density:														
Large MSA	47.1	46.1	46.7	42.4	41.1	44.1	39.2	37.7	38.5	33.0	34.3	30.0	27.9	-2.1
Other MSA	42.1	40.4	41.5	41.6	41.1	41.8	40.8	38.7	33.4	33.6	30.5	28.3	29.1	+0.8
Non-MSA	45.2	45.8	43.7	38.5	35.8	36.9	35.3	33.7	35.0	32.7	37.5	34.9	32.1	-2.7
Parental Education: b														
1.0-2.0 (Low)	38.3	41.4	39.8	36.4	36.7	41.4	36.1	32.5	32.5	31.7	28.9	23.7	23.4	-0.3
2.5–3.0	46.0	42.4	43.4	42.4	38.8	41.4	40.3	38.2	35.3	31.4	31.1	27.1	28.5	+1.4
3.5-4.0	43.6	43.2	46.9	41.6	41.2	42.7	41.1	37.9	36.5	32.8	33.2	32.4	29.3	-3.1
4.5–5.0	45.0	43.9	42.0	42.1	40.1	41.7	39.5	38.7	36.1	35.7	35.8	32.0	30.0	-2.0
5.5-6.0 (High)	47.6	45.9	43.3	38.4	41.9	41.1	38.7	40.6	36.3	34.4	38.3	35.5	35.6	+0.2
Race/Ethnicity (2-year average): c														
White	49.3	48.6	47.2	45.4	43.8	43.8	43.6	42.5	40.9	39.0	39.0	38.0	34.9	-3.2 ss
African American	28.7	28.6	30.5	31.4	30.1	29.6	28.4	25.9	24.0	21.8	20.3	21.2	19.4	-1.9
Hispanic	41.4	38.9	40.1	40.1	39.7	39.8	39.0	37.0	36.3	34.9	30.9	26.4	24.4	-2.0

'‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aIn 1993, the question text was changed slightly in three of six forms to indicate that a drink meant more than a few sips. The 1993 data are based on the changed forms only; N is three sixths of N indicated. In 1994 the question text was changed in the remaining forms. Beginning in 1994, the data are based on all six forms. In 2004 the question text was changed slightly in half of the forms. An examination of the data did not show any effect from the wording change. The remaining forms were changed in 2005.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 96 **ALCOHOL:** Trends in 30-Day Prevalence of <u>Daily</u> Use by Subgroups in <u>Grade 8</u>

Percentage who used daily in last 30 days

	<u>1991</u>	<u>1992</u>	<u>1993</u> ª	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	2003	<u>2004</u> ^a	<u>2005</u>
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800
Total	0.6	0.6‡	1.0	1.0	0.7	1.0	8.0	0.9	1.0	8.0	0.9	0.7	8.0	0.6	0.5
Gender:															
Male	0.7	0.8‡	1.5	1.2	1.0	1.4	0.9	1.2	1.3	1.0	1.2	8.0	8.0	0.6	0.6
Female	0.4	0.4‡	0.5	0.7	0.5	0.6	0.6	0.5	0.6	0.5	0.6	0.4	0.7	0.6	0.3
College Plans:															
None or under 4 years	1.6	2.2‡	2.7	2.8	1.9	3.0	2.0	3.1	3.4	1.8	2.8	2.8	2.3	2.2	1.9
Complete 4 years	0.4	0.4‡	0.7	0.7	0.6	0.7	0.6	0.6	0.7	0.6	0.6	0.5	0.6	0.5	0.3
Region:															
Northeast	0.4	0.5‡	0.7	1.0	0.6	1.0	8.0	1.0	1.0	0.6	8.0	0.7	0.6	0.3	0.3
Midwest	0.6	0.6‡	0.9	0.7	0.7	1.1	8.0	1.0	1.3	1.2	0.7	0.7	0.9	0.6	0.6
South	0.6	0.8‡	1.3	1.4	0.7	1.1	8.0	1.0	1.0	0.7	1.2	8.0	8.0	8.0	0.5
West	0.5	0.5‡	0.9	0.7	8.0	8.0	0.7	0.5	0.9	0.6	0.6	0.4	0.6	0.6	0.4
Population Density:															
Large MSA	0.4	0.6‡	1.1	0.6	0.6	0.9	0.4	0.7	1.0	0.4	0.5	0.4	0.7	0.5	0.5
Other MSA	0.5	0.6‡	0.6	1.0	0.6	1.0	0.9	8.0	8.0	0.7	0.9	8.0	0.7	0.5	0.4
Non-MSA	8.0	0.7‡	1.6	1.4	1.1	1.3	0.9	1.1	1.5	1.4	1.3	8.0	1.0	0.9	0.6
Parental Education: b															
1.0–2.0 (Low)	1.6	1.4‡	1.5	1.5	1.4	1.3	1.6	1.8	1.9	8.0	1.7	1.1	2.5	1.5	0.9
2.5–3.0	8.0	0.6‡	0.6	0.9	8.0	1.3	0.5	8.0	0.9	1.1	1.2	8.0	1.1	0.6	0.5
3.5-4.0	0.3	0.5‡	8.0	1.0	1.0	1.2	8.0	0.6	1.2	0.6	0.5	0.7	0.6	0.6	0.5
4.5–5.0	0.3	0.5‡	0.5	0.9	0.4	0.5	0.7	0.7	0.4	0.6	0.6	0.5	0.3	0.2	0.3
5.5–6.0 (High)	0.4	0.6‡	1.8	0.9	0.6	1.0	0.5	1.0	1.1	0.6	0.7	0.4	0.5	0.4	0.1
Race/Ethnicity (2-year average): c															
White	_	0.5	0.6‡	0.7	0.8	0.8	0.9	0.7	0.8	0.8	0.8	0.7	0.6	0.6	0.4
African American	_	0.5	1.0‡	1.2	0.9	0.8	0.6	0.6	0.9	0.5	0.4	0.5	0.5	0.6	0.6
Hispanic	_	1.1	1.2‡	1.6	1.5	1.4	1.4	1.3	1.3	1.1	1.2	1.3	1.4	1.4	0.8

TABLE 96 (cont.) **ALCOHOL:** Trends in 30-Day Prevalence of <u>Daily</u> Use by Subgroups in <u>Grade 8</u>

Percentage who used daily in last 30 days

								a aanj n	. idot oo	uujo					0040 0040
	2006	2007	2008	2000	2010	2011	2012	2012	2014	2015	<u>2016</u>	2017	2018	2019	2018-2019
				2009			<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>					<u>change</u>
Approximate weighted N =		16,100	15,700	15,000	-,	16,000	15,100	14,600	14,600	14,400	16,900	15,300	,	-,	
Total	0.5	0.6	0.7	0.5	0.5	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.2	+0.1
Gender:															
Male	0.5	8.0	1.0	0.6	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.3	+0.2
Female	0.4	0.3	0.4	0.4	0.5	0.3	0.2	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.0
College Plans:															
None or under 4 years	1.5	2.4	2.7	1.8	2.2	1.6	1.9	1.5	1.3	1.0	0.5	0.6	0.3	0.7	+0.4
Complete 4 years	0.3	0.4	0.6	0.4	0.4	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0
Region:															
Northeast	0.3	0.4	0.6	0.1	0.4	0.1	0.3	0.0	0.2	0.1	0.1	0.2	0.1	0.1	0.0
Midwest	0.5	0.6	8.0	0.3	0.4	0.3	0.2	0.1	0.2	0.2	0.0	0.1	0.0	0.2	+0.1
South	0.6	0.7	0.9	0.7	0.7	0.4	0.4	0.5	0.4	0.3	0.3	0.1	0.2	0.3	+0.1
West	0.4	0.5	0.4	0.6	0.5	0.7	0.4	0.2	0.4	0.1	0.1	0.2	0.2	0.3	+0.1
Population Density:															
Large MSA	0.4	0.4	0.7	0.3	0.5	0.3	0.4	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.0
Other MSA	0.5	0.6	8.0	0.4	0.5	0.4	0.4	0.2	0.3	0.2	0.1	0.1	0.2	0.3	+0.1
Non-MSA	0.6	0.8	0.7	0.8	0.6	0.5	0.2	0.5	0.5	0.2	0.5	0.2	0.1	0.4	+0.3
Parental Education: b															
1.0-2.0 (Low)	0.7	1.3	1.8	2.1	1.3	0.5	0.3	0.2	0.8	0.2	0.2	0.3	0.1	0.3	+0.2
2.5–3.0	0.6	0.5	0.9	0.5	0.5	0.7	0.5	0.2	0.2	0.3	0.3	0.3	0.2	0.2	+0.1
3.5-4.0	0.6	0.7	0.7	0.4	0.6	0.4	0.4	0.6	0.3	0.2	0.3	0.2	0.0	0.3	+0.3 s
4.5–5.0	0.3	0.2	0.2	0.1	0.3	0.1	0.1	0.1	0.4	0.1	0.1	0.1	0.1	0.0	-0.1
5.5–6.0 (High)	0.3	0.4	0.6	0.4	0.3	0.4	0.2	0.2	0.2	0.1	0.2	0.0	0.2	0.2	+0.1
Race/Ethnicity (2-year average):	,,,	***		***						***					•
White	0.4	0.4	0.6	0.5	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.2	+0.1
African American	0.5	0.5	0.6	0.4	0.3	0.4	0.3	0.2	0.2	0.1	0.1	0.2	0.2	0.1	-0.2
Hispanic	0.6	0.8	1.0	1.0	0.9	0.8	0.7	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.0
·															

Source. The Monitoring the Future study, the University of Michigan.

Notes. '‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. 'Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^aIn 1993, the question text was changed slightly in one form to indicate that a drink meant more than a few sips. The 1993 data are based on the changed form only; N is one half of N indicated. In 1994 the question text was changed in the remaining form. Beginning in 1994, the data are based on all forms. In 2004, the question text was changed slightly in half of the forms. An examination of the data did not show any effect from the wording change. The remaining forms were changed in 2005.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 97 **ALCOHOL:** Trends in 30-Day Prevalence of <u>Daily</u> Use by Subgroups in <u>Grade 10</u>

Percentage who used daily in last 30 days

	<u>1991</u>	<u>1992</u>	<u>1993</u> ^a	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	2003	<u>2004</u> ^a	<u>2005</u>
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200
Total	1.4	1.3‡	1.8	1.7	1.7	1.6	1.7	1.9	1.9	1.8	1.9	1.8	1.5	1.3	1.3
Gender:															
Male	2.3	1.6‡	2.6	2.5	2.6	2.4	2.5	2.8	2.9	2.7	2.9	2.6	2.0	1.9	1.9
Female	0.4	0.8‡	1.0	8.0	8.0	8.0	8.0	1.2	0.9	8.0	0.9	1.0	1.0	0.7	0.7
College Plans:															
None or under 4 years	2.0	3.2‡	3.6	3.6	4.0	3.2	4.0	4.3	4.5	4.0	4.6	3.7	3.0	3.7	3.9
Complete 4 years	1.2	0.8‡	1.5	1.2	1.3	1.3	1.3	1.5	1.5	1.4	1.4	1.4	1.2	1.0	1.0
Region:															
Northeast	1.3	0.9‡	1.8	0.9	1.5	1.0	1.5	2.3	1.9	1.3	1.6	1.4	1.5	0.9	1.4
Midwest	1.4	1.5‡	1.8	1.7	1.8	1.6	1.6	2.1	2.3	1.9	1.6	1.7	1.2	1.0	1.1
South	1.6	1.2‡	1.8	2.3	1.8	1.8	1.9	1.9	1.6	2.0	1.9	1.8	1.5	1.6	1.4
West	1.0	1.4‡	1.7	1.6	1.8	1.9	1.8	1.5	1.9	1.7	2.4	2.0	1.8	1.6	1.4
Population Density:															
Large MSA	1.3	1.2‡	1.1	1.3	1.3	1.5	1.2	1.5	2.0	1.6	1.8	1.4	1.4	0.7	0.9
Other MSA	1.2	1.0‡	1.4	1.7	1.8	1.5	1.6	1.7	1.7	1.6	1.6	1.8	1.4	1.5	1.4
Non-MSA	1.6	1.9‡	3.2	2.1	2.2	1.9	2.5	2.9	2.2	2.3	2.5	2.1	2.0	1.5	1.7
Parental Education: b															
1.0-2.0 (Low)	2.6	2.0‡	3.1	1.9	2.9	1.6	2.1	2.7	2.4	2.2	2.9	2.0	2.3	1.6	1.7
2.5–3.0	1.5	1.1‡	2.1	1.9	2.1	1.6	2.1	2.4	2.1	2.3	1.9	2.1	1.6	1.6	2.0
3.5-4.0	1.1	1.3‡	1.7	1.7	1.7	1.6	1.9	2.0	1.9	1.9	1.5	1.5	1.4	1.1	1.2
4.5–5.0	1.1	0.8‡	1.0	1.3	1.3	1.5	1.2	1.2	1.5	1.4	1.7	1.6	1.6	1.1	0.7
5.5-6.0 (High)	1.2	1.5‡	2.0	1.2	0.9	1.4	8.0	1.9	2.0	1.2	1.7	1.8	0.9	1.2	0.9
Race/Ethnicity (2-year average): c															
White	_	1.3	1.4‡	1.6	1.7	1.7	1.6	1.8	1.9	1.8	1.7	1.8	1.7	1.5	1.4
African American	_	0.9	1.2‡	1.2	1.1	0.6	0.7	1.0	1.0	1.1	1.4	1.2	0.9	0.5	0.5
Hispanic	_	1.6	1.9‡	1.8	2.3	2.3	2.0	2.4	2.4	2.0	2.6	2.4	1.8	1.7	1.6

TABLE 97 (cont.) **ALCOHOL:** Trends in 30-Day Prevalence of <u>Daily</u> Use by Subgroups in <u>Grade 10</u>

					Per	centage	who use	d daily ir	last 30	days					
															2018-2019
	2006	2007	2008	2009	<u>2010</u>	<u>2011</u>	2012	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>
Approximate weighted N =	16,200	16,100	15,100	15,900		14,900	15,000	12,900	13,000	15,600	14,700	13,500	14,300	14,000	
Total	1.4	1.4	1.0	1.1	1.1	8.0	1.0	0.9	8.0	0.5	0.5	0.6	0.5	0.6	+0.2
Gender:															
Male	1.8	1.9	1.4	1.5	1.7	1.1	1.4	1.3	1.1	0.7	8.0	0.7	0.6	0.9	+0.3
Female	1.0	0.9	0.6	0.7	0.6	0.4	0.5	0.5	0.6	0.3	0.3	0.4	0.3	0.4	+0.1
College Plans:															
None or under 4 years	3.2	3.3	2.1	3.5	3.3	2.2	3.0	1.9	2.7	1.3	1.1	1.5	0.9	0.9	-0.1
Complete 4 years	1.2	1.2	0.9	0.9	0.9	0.6	0.7	8.0	0.6	0.4	0.5	0.4	0.4	0.6	+0.2
Region:															
Northeast	1.6	1.5	1.1	8.0	0.7	8.0	1.2	0.9	0.5	0.3	0.6	0.5	8.0	0.2	-0.6 s
Midwest	1.3	1.6	0.9	1.1	1.2	0.5	8.0	0.6	0.6	0.3	0.5	0.6	0.3	0.6	+0.4
South	1.6	1.2	1.1	1.3	1.1	0.9	1.2	1.3	1.2	0.7	0.6	0.5	0.6	0.9	+0.4
West	1.2	1.6	0.9	1.2	1.5	8.0	0.8	8.0	0.7	0.5	0.5	0.6	0.4	0.5	+0.1
Population Density:															
Large MSA	1.3	1.3	0.9	1.0	1.2	0.8	0.8	1.0	0.6	0.4	0.5	0.6	0.4	0.2	-0.1
Other MSA	1.4	1.5	1.0	1.1	1.0	0.7	0.8	8.0	0.7	0.5	0.4	0.3	0.5	0.8	+0.3
Non-MSA	1.8	1.6	1.2	1.3	1.3	0.9	1.5	0.9	1.4	0.6	0.9	1.1	0.7	0.9	+0.2
Parental Education: b															
1.0-2.0 (Low)	2.9	3.6	2.1	1.6	2.3	8.0	1.5	1.1	1.8	0.7	0.7	0.5	0.3	1.3	+1.0
2.5-3.0	1.9	1.6	1.0	1.4	1.6	0.9	1.2	1.5	0.9	0.9	0.5	0.8	0.6	1.2	+0.6 s
3.5-4.0	1.5	1.2	1.0	1.3	0.6	8.0	0.7	0.9	0.9	0.4	0.7	0.5	0.2	0.6	+0.4 s
4.5-5.0	0.9	1.1	0.4	0.6	1.0	8.0	8.0	0.7	0.4	0.4	0.4	0.2	0.6	0.3	-0.3
5.5-6.0 (High)	0.7	1.0	0.9	0.6	0.7	0.5	1.1	0.4	0.7	0.3	0.3	0.9	0.9	0.4	-0.4
Race/Ethnicity (2-year average): c															
White	1.4	1.4	1.2	1.0	1.0	0.9	0.9	1.0	0.9	0.6	0.5	0.6	0.6	0.6	0.0
African American	0.8	8.0	0.7	0.9	0.8	0.5	0.5	0.4	0.3	0.4	0.2	0.2	0.2	0.2	0.0
Hispanic	2.0	2.1	2.0	1.9	1.9	1.6	1.1	1.0	1.0	0.9	0.6	0.5	0.4	0.6	+0.3

Notes. '‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aIn 1993, the question text was changed slightly in one form to indicate that a drink meant more than a few sips. The 1993 data are based on the changed form only; N is one half of N indicated. In 1994 the question text was changed in the remaining form. Beginning in 1994, the data are based on all forms. In 2004, the question text was changed slightly in half of the forms. An examination of the data did not show any effect from the wording change. The remaining forms were changed in 2005.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 98 **ALCOHOL:** Trends in 30-Day Prevalence of <u>Daily</u> Use by Subgroups in <u>Grade 12</u>

Percentage who used daily in last 30 days 1990 1975 1976 1977 1978 1979 1980 1982 1983 1984 1985 1986 1987 1988 1989 9,400 15,900 17,500 16,300 15,200 16,300 16,300 15,200 Approximate weighted N = 15,400 17,100 17,800 15,500 17,700 15,900 16,000 16,700 Total 5.0 4.7 4.8 4.2 4.2 3.7 5.6 6.1 5.7 6.9 6.0 6.0 5.8 5.5 4.8 Gender: Male 8.6 5.2 8.1 8.6 8.3 9.7 8.4 7.7 7.7 6.6 7.0 6.7 7.2 6.2 6.0 Female 2.7 3.6 3.2 4.0 3.6 3.4 3.4 2.9 2.7 3.0 2.8 2.5 2.3 2.2 1.9 College Plans: None or under 4 years 7.3 8.0 7.3 9.1 8.1 7.7 7.5 6.7 6.0 6.5 6.8 7.0 6.0 6.1 4.9 Complete 4 years 4.4 4.6 3.6 4.0 3.0 3.6 4.0 4.1 5.0 4.1 4.0 3.5 3.6 3.4 3.2 Region: 4.6 Northeast 6.3 6.5 6.2 8.7 7.4 7.5 6.3 5.9 6.5 6.6 4.9 4.2 4.2 4.3 Midwest 6.9 6.7 7.0 6.8 6.7 6.6 7.6 6.2 4.3 4.4 4.9 5.3 4.8 5.1 3.9 South 4.6 5.9 5.0 7.2 5.2 5.2 5.0 5.4 5.3 5.0 4.9 5.1 4.0 4.0 3.4 West 3.8 4.3 3.8 3.8 4.5 4.3 2.8 3.6 2.8 4.0 4.2 4.5 3.9 3.5 2.9 Population Density: Large MSA 5.4 5.9 6.2 7.0 7.1 6.5 6.4 5.6 5.1 5.3 4.1 3.7 3.5 4.0 4.7 Other MSA 5.4 5.4 5.3 5.1 5.8 5.5 6.1 5.1 5.7 4.5 4.5 5.4 4.5 3.9 3.2 Non-MSA 6.1 6.5 5.7 7.9 6.1 6.6 6.1 5.9 5.1 4.8 5.8 4.9 4.5 5.2 3.8 Parental Education: b 5.8 1.0-2.0 (Low) 5.7 5.0 4.7 6.2 6.3 5.8 5.2 6.1 5.2 5.5 5.5 5.0 3.9 3.1 2.5-3.0 6.2 7.1 6.4 7.2 6.5 6.3 6.1 5.2 5.1 5.2 4.7 4.5 4.3 5.0 3.9 3.5-4.0 5.0 5.3 5.3 6.4 5.5 6.1 5.5 5.3 4.6 4.7 4.6 4.9 3.8 4.0 3.5 4.5-5.0 5.6 5.7 5.6 6.7 5.8 4.8 5.6 5.1 4.1 4.5 4.4 4.8 3.9 3.8 3.4 5.5-6.0 (High) 5.0 6.3 5.6 8.8 5.5 6.3 5.2 5.6 4.1 4.8 4.0 4.5 4.8 3.0 4.2 Race/Ethnicity (2-year average): c 6.8 White 6.0 6.2 6.6 6.5 6.3 5.9 5.3 5.1 5.2 5.1 4.8 4.5 4.2 African American 2.2 2.0 2.1 2.5 2.3 2.2 2.3 2.2 2.2 2.1 2.1 2.2 2.4 2.1 Hispanic 5.3 4.6 4.0 4.3 4.5 3.7 3.2 4.0 5.0 4.7 4.6 4.6 4.3 3.8

TABLE 98 (cont.) **ALCOHOL:** Trends in 30-Day Prevalence of <u>Daily</u> Use by Subgroups in <u>Grade 12</u>

						Per	centage	who used	d daily in	last 30 c	lays					
	<u>1991</u>	<u>1992</u>	<u>1993</u> ^a	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	2003	<u>2004</u> °	2005	2006
Approximate weighted N =		15,800	16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200
Total	3.6	3.4‡	3.4	2.9	3.6	3.7	3.9	4.0	3.4	2.9	3.6	3.5	3.2	2.8	3.1	3.0
Gender:																
Male	5.3	5.2‡	5.3	4.8	5.5	5.2	5.7	6.4	5.2	4.7	5.5	5.3	4.7	4.1	4.4	4.3
Female	1.6	1.6‡	1.6	1.2	1.6	2.0	1.9	1.4	1.4	1.1	1.7	1.7	1.6	1.4	1.6	1.5
College Plans:																
None or under 4 years	5.4	5.3‡	4.3	4.4	5.4	5.0	6.0	6.8	5.9	4.8	5.3	4.8	5.0	4.3	5.6	4.9
Complete 4 years	2.9	2.7‡	2.9	2.4	2.9	3.1	3.2	3.0	2.6	2.2	2.9	3.1	2.4	2.2	2.3	2.4
Region:																
Northeast	3.3	2.9‡	5.3	3.0	2.8	4.1	3.7	4.1	2.8	3.0	3.1	2.8	3.7	3.3	3.1	3.3
Midwest	3.9	3.7‡	3.3	3.1	4.3	3.8	4.5	4.1	3.2	3.1	4.5	4.6	3.4	2.6	3.6	3.3
South	4.1	3.7‡	3.5	3.0	3.8	3.6	4.1	4.2	3.9	2.8	3.5	3.3	3.0	2.8	3.2	3.1
West	2.7	2.9‡	1.8	2.5	2.8	3.1	3.2	3.2	3.2	2.9	3.0	3.0	2.6	2.5	2.1	2.4
Population Density:																
Large MSA	3.3	3.4‡	2.7	2.5	3.5	4.4	3.9	3.4	2.3	3.0	3.6	3.4	2.1	2.5	2.8	3.4
Other MSA	3.5	3.1‡	3.6	2.8	3.5	3.3	4.0	4.1	3.4	2.7	3.6	3.2	3.5	3.3	3.1	2.8
Non-MSA	4.1	4.1‡	3.6	3.6	3.6	3.7	3.9	4.3	4.4	3.4	3.7	4.2	3.9	2.3	3.4	3.0
Parental Education: ^b																
1.0-2.0 (Low)	4.2	3.0‡	3.6	2.3	3.9	2.6	3.8	5.3	4.0	3.5	3.5	2.5	2.7	3.4	2.6	3.1
2.5–3.0	4.1	4.0‡	2.6	3.4	3.9	3.5	3.7	4.1	3.6	2.9	3.4	3.4	3.6	3.0	3.7	3.4
3.5–4.0	3.0	2.9‡	3.7	2.5	2.7	3.4	3.2	4.0	3.3	3.0	3.4	3.7	2.9	2.9	2.5	2.8
4.5–5.0	3.1	2.8‡	3.6	2.8	3.9	4.0	3.9	3.6	2.9	2.4	3.3	3.1	3.0	2.0	3.1	2.7
5.5–6.0 (High)	4.1	4.7‡	2.9	3.1	3.5	3.6	4.7	3.1	3.2	2.9	3.9	4.0	2.3	2.6	2.7	2.8
Race/Ethnicity (2-year average): c																
White	3.8	3.6	3.1‡	3.1	3.3	3.7	4.1	4.3	3.9	3.3	3.5	3.8	3.6	3.2	3.3	3.4
African American	1.6	1.9	2.3‡	2.6	2.5	2.2	1.8	1.8	1.6	1.4	1.6	1.6	1.5	1.2	1.1	1.5
Hispanic	3.6	3.6	2.8‡	3.1	3.5	4.0	4.0	4.3	4.8	5.0	4.1	3.3	2.8	2.7	2.9	2.9

TABLE 98 (cont.) **ALCOHOL:** Trends in 30-Day Prevalence of <u>Daily</u> Use by Subgroups in <u>Grade 12</u>

	Percentage who used daily in last 30 days													
Approximate weighted N =	2007 14,500	2008 14,000	2009 13,700	2010 14,400	2011 14,100	2012 13,700	2013 12,600	<u>2014</u> 12,400	2015 12,900	2016 11,800	2017 12,600	2018 13,300	<u>2019</u> 12,900	2018-2019 <u>change</u>
Total	3.1	2.8	2.5	2.7	2.1	2.5	2.2	1.9	1.9	1.3	1.6	1.2	1.7	+0.5 s
Gender:														
Male	4.3	4.0	3.6	3.6	2.9	3.6	3.0	2.8	2.3	1.7	2.2	1.6	2.4	+0.7
Female	1.9	1.7	1.3	1.6	1.2	1.2	1.2	1.0	1.4	0.8	0.7	0.5	0.9	+0.4
College Plans:														
None or under 4 years	4.8	5.1	5.0	4.4	4.1	3.8	4.8	3.7	3.9	2.6	2.9	2.4	3.1	+0.7
Complete 4 years	2.6	2.2	1.8	2.2	1.6	2.1	1.5	1.4	1.4	1.0	1.2	0.7	1.1	+0.4 s
Region:														
Northeast	3.5	2.2	2.2	2.9	2.8	3.3	2.2	1.3	2.0	1.6	1.2	1.2	0.9	-0.3
Midwest	3.3	2.9	3.2	3.2	2.6	2.6	2.3	2.1	2.1	1.4	1.2	0.8	1.6	+0.8
South	3.4	3.8	2.3	2.9	1.7	2.1	2.2	1.9	1.8	1.3	2.1	1.5	2.2	+0.7
West	2.0	1.7	2.1	1.8	1.8	2.5	1.9	1.9	1.8	1.3	1.4	0.9	1.4	+0.4
Population Density:														
Large MSA	3.1	2.1	2.5	2.7	2.3	2.2	1.8	1.6	2.1	1.3	1.5	1.0	1.1	+0.1
Other MSA	3.3	2.6	2.6	2.7	2.1	2.8	2.2	2.0	1.5	1.2	1.6	1.2	1.5	+0.3
Non-MSA	2.6	4.2	2.3	2.8	2.0	2.4	2.7	1.9	2.7	1.7	1.7	1.6	3.1	+1.5 ss
Parental Education: b														
1.0–2.0 (Low)	3.6	2.6	3.3	2.9	2.4	2.8	2.3	2.6	3.1	1.6	1.3	1.0	2.0	+1.0
2.5–3.0	3.6	2.6	2.4	2.9	2.9	2.2	3.0	1.5	1.8	1.4	1.6	1.0	1.8	+0.8
3.5–4.0	2.9	2.7	2.5	2.3	2.1	2.5	1.7	1.5	1.8	0.9	1.4	1.2	1.3	+0.1
4.5–5.0	3.0	2.9	2.1	2.5	1.3	2.5	2.1	2.2	1.6	1.5	1.5	1.1	1.5	+0.4
5.5–6.0 (High)	2.4	2.6	1.5	2.0	2.0	2.5	1.7	1.8	1.5	0.9	1.1	1.4	1.6	+0.2
Race/Ethnicity (2-year average): c														
White	3.4	3.4	2.9	2.6	2.5	2.5	2.4	2.0	1.9	1.7	1.7	1.7	1.6	-0.1
African American	1.5	1.3	1.4	2.1	2.0	1.5	1.5	1.4	1.1	8.0	0.9	0.9	8.0	-0.1
Hispanic	3.1	2.8	2.5	2.5	2.4	2.3	2.7	2.3	2.0	1.9	1.2	0.8	1.0	+0.2

Notes. '‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aIn 1993, the question text was changed slightly in three of six forms to indicate that a drink meant more than a few sips. The 1993 data are based on the changed forms only; N is three sixths of N indicated. In 1994 the question text was changed in the remaining forms. Beginning in 1994, the data are based on all six forms. In 2004 the question text was changed slightly in half of the forms. An examination of the data did not show any effect from the wording change. The remaining forms were changed in 2005.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 99 **BEEN DRUNK:** Trends in <u>30-Day</u> Prevalence by Subgroups in <u>Grade 8</u>

					Pe	ercentage	e who ha	ad been o	drunk in	last 30 d	ays					
	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	2003	2004	2005	
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	
Total	7.6	7.5	7.8	8.7	8.3	9.6	8.2	8.4	9.4	8.3	7.7	6.7	6.7	6.2	6.0	
Gender:																
Male	8.4	7.4	7.8	9.0	8.2	9.7	8.4	8.5	10.2	8.2	7.8	7.1	6.6	5.8	5.9	
Female	7.0	7.6	7.8	8.3	8.2	9.5	7.9	8.2	8.6	8.1	7.4	6.3	6.8	6.6	6.2	
College Plans:																
None or under 4 years	15.8	17.2	18.4	20.0	17.2	19.3	18.7	21.4	22.4	18.9	18.9	15.5	17.0	16.1	15.7	
Complete 4 years	6.4	6.1	6.4	7.3	7.3	8.2	7.1	6.9	8.0	7.0	6.5	5.9	5.7	5.2	5.1	
Region:																
Northeast	5.7	6.4	6.2	8.2	8.2	9.7	7.9	6.9	9.4	8.3	8.0	5.3	4.9	4.8	4.2	Table continued on nex
Midwest	7.7	7.6	7.3	8.3	8.3	10.2	8.2	10.4	11.6	9.7	8.2	7.0	8.1	6.8	6.2	
South	8.8	8.2	8.3	8.8	8.4	9.1	8.3	7.8	9.5	7.4	8.1	7.6	7.2	6.4	7.1	
West	7.3	6.9	9.4	9.6	8.2	9.8	8.3	8.3	6.6	8.1	6.0	5.9	6.0	6.4	5.8	
Population Density:																
Large MSA	7.4	7.0	6.0	7.6	7.2	8.9	6.7	6.9	7.8	7.1	6.3	5.2	5.6	5.4	5.4	
Other MSA	7.3	7.4	8.4	9.7	8.9	9.9	8.6	7.5	8.4	7.2	7.9	7.3	6.8	6.5	6.1	
Non-MSA	8.4	8.2	8.8	7.9	8.6	10.0	9.2	11.7	13.3	12.0	8.9	7.3	8.1	6.5	6.9	
Parental Education: a																
1.0–2.0 (Low)	13.4	11.0	10.4	12.5	13.1	11.1	11.5	13.1	14.5	14.0	12.1	10.5	13.4	10.0	9.3	
2.5–3.0	9.2	8.8	9.2	9.3	9.6	11.9	9.3	9.5	11.7	10.5	9.7	8.5	9.4	7.4	8.4	
3.5–4.0	6.9	7.6	8.5	9.3	9.4	10.4	10.2	9.1	9.9	8.0	8.7	6.7	7.1	6.8	6.7	
4.5–5.0	6.1	6.5	5.9	7.5	6.4	8.7	6.7	7.0	6.9	5.6	5.7	5.5	4.5	5.0	4.6	
5.5–6.0 (High)	6.8	4.9	6.7	7.6	6.0	7.1	5.8	6.9	8.7	7.1	4.6	4.8	4.2	4.4	3.5	
Race/Ethnicity (2-year average): ^b																
White	_	7.7	7.8	8.4	8.9	9.7	9.7	9.1	9.8	10.0	9.0	8.0	7.2	6.8	6.6	
African American	_	5.4	5.1	5.6	5.6	5.5	4.6	3.9	4.9	4.7	4.0	4.0	4.2	4.1	3.8	
Hispanic	_	9.9	9.9	10.8	10.8	10.8	10.4	9.8	9.9	8.5	7.8	8.4	8.5	8.1	7.0	

TABLE 99 (cont.)

BEEN DRUNK: Trends in 30-Day Prevalence by Subgroups in Grade 8

					Percer	ntage wh	o had be	en drun	k in last	30 days					
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2018-2019 <u>change</u>
Approximate weighted N =				15,000		16,000	15,100	14,600	14,600	14,400		15.300	14.000	13.600	change
Total	6.2	16,100 5.5	5.4	5.4	5.0	4.4	3.6	3.5	2.7	3.1	1.8	2.2	2.1	2.6	+0.5
Gender:	0.2	5.5	5.4	5.4	5.0	4.4	3.0	3.3	2.1	3.1	1.0	2.2	2.1	2.0	+0.5
Male	6.1	5.3	5.3	5.3	4.8	4.4	3.3	3.0	2.7	2.9	1.8	1.6	1.8	2.3	+0.5
Female	6.2	5.6	5.4	5.3	5.2	4.2	3.8	4.0	2.7	3.0	1.7	2.8	2.3	2.9	+0.6
College Plans:	0.2	3.0	5.4	0.0	5.2	4.2	3.0	4.0	2.1	3.0	1.7	2.0	2.0	2.5	10.0
None or under 4 years	15.4	16.3	14.9	14.9	12.9	10.9	9.5	10.9	6.7	6.7	5.3	5.2	4.5	4.9	+0.3
Complete 4 years	5.4	4.6	4.6	4.6	4.4	3.9	3.1	3.0	2.4	2.7	1.5	1.9	1.8	2.3	+0.5
Region:	0.4	4.0	4.0	4.0	7.7	0.0	0.1	0.0	2.7	2.1	1.0	1.0	1.0	2.0	10.0
Northeast	5.8	3.5	4.5	4.7	4.2	2.9	3.5	2.7	2.0	2.6	0.9	1.5	1.5	1.8	+0.3
Midwest	6.3	5.7	5.3	5.0	4.7	4.1	2.2	2.6	2.3	2.4	1.4	2.0	2.0	2.2	+0.2
South	6.9	6.1	6.8	6.5	5.7	4.4	4.4	4.5	2.8	3.3	2.2	2.4	2.0	2.9	+0.9
West	5.2	5.7	4.2	4.4	4.8	5.7	3.5	3.3	3.4	3.6	1.9	2.7	2.8	3.1	+0.3
Population Density:	0.2	0				0	0.0	0.0	0	0.0			2.0	0	
Large MSA	5.1	4.8	5.4	4.0	4.7	3.5	3.1	3.1	2.5	2.6	1.2	2.1	2.0	2.1	0.0
Other MSA	6.4	5.6	5.2	5.8	5.2	4.8	4.1	3.3	2.8	3.3	1.8	2.1	2.1	2.7	+0.7
Non-MSA	7.5	6.4	5.9	6.3	5.0	4.7	3.2	4.6	3.0	3.2	2.6	2.9	2.3	3.3	+1.0
Parental Education: a															
1.0–2.0 (Low)	9.4	10.6	10.1	10.1	7.8	7.9	6.0	6.4	3.8	4.9	3.5	2.8	2.2	2.9	+0.7
2.5–3.0	7.9	7.9	7.4	6.3	7.1	6.6	5.6	4.6	3.4	4.1	2.2	3.0	2.5	3.5	+1.0
3.5-4.0	7.1	6.0	5.8	5.4	5.3	4.8	4.1	4.3	2.9	2.6	1.5	2.6	2.3	3.7	+1.5 s
4.5–5.0	4.4	3.1	3.7	4.4	4.2	3.2	2.6	2.4	2.4	2.3	1.4	1.9	1.7	2.3	+0.6
5.5–6.0 (High)	4.6	3.1	3.3	3.4	2.6	2.7	1.6	2.2	2.2	2.5	1.4	1.8	1.9	1.6	-0.3
Race/Ethnicity (2-year average): b															
White	6.4	5.9	5.5	5.5	5.3	4.7	3.9	3.3	2.9	2.6	2.3	2.0	2.1	2.5	+0.4
African American	3.6	3.7	3.8	3.6	3.4	2.9	2.7	3.0	2.4	2.0	1.7	1.4	1.6	1.2	-0.4
Hispanic	7.2	7.4	6.7	6.2	5.8	5.6	5.5	4.5	3.6	3.5	2.8	2.2	2.2	2.4	+0.2

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 100

BEEN DRUNK: Trends in 30-Day Prevalence by Subgroups in Grade 10

					Pe	ercentage	e who ha	nd been o	drunk in I	ast 30 da	ays				
Approximate weighted N =	<u>1991</u> 14,800	<u>1992</u> 14,800	1993 15,300	<u>1994</u> 15,800	<u>1995</u> 17,000	<u>1996</u> 15,600	<u>1997</u> 15,500	<u>1998</u> 15,000	<u>1999</u> 13,600	2000 14,300	2001 14,000	2002 14,300	2003 15,800	2004 16,400	2005 16,200
Total	20.5	18.1	19.8	20.3	20.8	21.3	22.4	21.1	22.5	23.5	21.9	18.3	18.2	18.5	17.6
Gender:															
Male	22.3	18.6	21.4	23.2	21.9	23.0	24.6	22.3	25.4	26.2	24.2	19.3	18.8	20.2	18.2
Female	18.7	17.5	18.1	17.2	19.6	19.8	20.2	19.9	19.8	20.9	19.7	17.4	17.7	17.0	16.8
College Plans:															
None or under 4 years	29.5	26.3	29.0	31.1	31.4	32.0	35.5	33.5	34.6	35.1	34.8	27.4	27.4	27.5	27.8
Complete 4 years	18.6	16.4	17.9	18.0	19.0	19.7	20.3	19.1	20.7	21.8	19.8	16.8	16.9	17.4	16.3
Region:															
Northeast	23.9	18.8	20.0	19.0	19.5	22.4	21.9	23.1	25.8	22.8	19.9	18.1	20.3	22.4	20.5
Midwest	21.8	18.9	20.1	21.0	22.6	22.0	23.3	21.8	26.0	27.6	24.0	18.7	18.8	16.6	17.4
South	19.2	16.8	19.8	20.9	20.9	21.4	22.0	21.9	20.3	21.4	21.5	17.5	17.6	18.7	17.2
West	18.2	18.3	19.0	19.5	19.5	19.3	22.6	17.0	19.0	22.4	21.2	19.5	16.5	16.7	15.2
Population Density:															
Large MSA	20.6	17.6	17.6	16.1	18.2	19.6	20.7	17.2	21.6	23.4	19.5	16.5	15.7	15.1	16.2
Other MSA	20.1	17.3	18.2	21.7	21.8	21.9	21.8	21.2	22.7	22.5	21.6	18.0	18.6	20.5	18.3
Non-MSA	21.1	19.9	24.7	21.8	21.8	22.4	25.5	25.4	23.4	25.4	25.3	21.4	21.4	19.0	17.8
Parental Education: a															
1.0-2.0 (Low)	20.9	18.2	22.2	20.0	23.4	22.1	19.7	20.1	21.8	21.3	22.0	17.3	19.0	17.7	15.8
2.5–3.0	22.5	18.5	21.4	21.2	22.9	23.4	22.5	23.3	23.4	24.5	22.6	19.9	18.9	21.0	19.4
3.5-4.0	20.4	19.4	19.4	22.1	21.4	22.1	24.1	21.3	23.3	24.5	22.8	19.5	19.3	18.9	17.5
4.5–5.0	19.7	17.1	18.2	18.7	19.7	19.5	22.3	20.2	21.7	24.1	21.4	17.4	17.5	17.3	17.5
5.5–6.0 (High) Race/Ethnicity (2-year average):	20.6	18.5	18.6	17.9	17.9	22.3	22.4	20.4	24.0	23.1	21.5	16.8	17.7	19.3	17.0
White		21.6	20.8	22.0	22.7	23.7	25.0	25.5	25.7	26.7	25.8	23.2	21.9	21.7	24.0
African American	_	9.4	20.8	10.1	9.8	23.7 8.5	25.0 8.6	25.5 8.8	25.7 7.6	26.7 8.6	25.8 9.5	23.2 8.6	8.0	8.3	21.0 8.0
Hispanic	_	16.2	15.9	17.0	9.6 18.6	20.1	19.5	18.0	17.8	18.0	18.7	17.4	15.7	0.3 17.0	17.3

TABLE 100 (cont.)

BEEN DRUNK: Trends in 30-Day Prevalence by Subgroups in Grade 10

Description who had been described but 100 days

					Percer	itage wh	o had be	en drunl	k in last	30 days					
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2018-2019
Approximate weighted N =	16,200	16,100	<u>2006</u> 15,100	<u>2009</u> 15,900	<u>2010</u> 15,200	<u>2011</u> 14,900	<u>2012</u> 15,000		13,000	15,600	<u>2016</u> 14,700	13,500	<u>2016</u> 14.300	<u>2019</u> 14,000	<u>change</u>
Total	18.8	18.1	14.4	15.5	14.7	13.7	14.5	12.8	11.2	10.3	9.0	8.9	8.4	8.8	+0.3
Gender:															
Male	19.1	18.9	14.6	16.4	15.5	14.9	15.4	13.2	11.1	10.3	8.4	7.6	8.2	8.6	+0.5
Female	18.4	17.4	14.3	14.8	13.7	12.4	13.5	12.4	11.5	10.3	9.6	10.1	8.6	8.9	+0.3
College Plans:															
None or under 4 years	29.0	28.9	25.2	26.8	27.0	23.8	23.1	18.5	20.9	16.3	13.9	13.4	11.8	11.2	-0.6
Complete 4 years	17.5	16.8	13.2	14.4	13.3	12.6	13.7	12.3	10.3	9.7	8.5	8.3	7.9	8.3	+0.4
Region:															
Northeast	20.4	20.5	15.3	14.6	14.7	16.6	18.6	13.6	13.3	11.6	10.0	9.9	9.1	9.2	+0.1
Midwest	19.8	19.6	16.0	15.0	15.3	11.9	12.8	11.4	9.7	9.5	8.4	8.1	8.2	8.1	-0.1
South	17.6	16.3	14.9	16.6	14.5	14.0	15.0	13.9	11.6	11.4	9.2	8.5	8.7	8.8	+0.1
West	17.9	16.9	11.8	15.5	14.3	13.0	12.1	12.4	10.7	7.9	8.4	9.6	7.6	9.0	+1.4
Population Density:															
Large MSA	17.7	16.3	12.7	15.3	14.2	12.9	14.9	12.8	11.3	10.0	9.3	11.1	9.4	7.8	-1.6
Other MSA	19.0	18.5	14.8	15.3	14.8	14.1	13.7	13.0	10.8	9.9	7.9	7.4	8.1	9.4	+1.4
Non-MSA	20.0	20.0	16.4	16.4	15.1	14.0	15.7	12.6	12.3	11.6	11.5	9.2	7.7	8.6	+0.9
Parental Education: a															
1.0-2.0 (Low)	18.4	17.7	16.9	19.7	18.2	13.6	15.7	15.1	12.0	8.5	8.5	8.4	8.5	8.1	-0.4
2.5-3.0	21.6	19.9	15.0	17.6	16.4	15.8	14.9	13.6	11.5	11.4	8.9	8.0	8.1	9.5	+1.5
3.5-4.0	19.9	19.1	15.7	16.4	14.3	14.8	14.7	13.4	12.9	11.3	9.4	9.3	8.4	10.1	+1.8
4.5–5.0	17.4	16.8	13.3	13.8	13.9	12.1	15.0	12.1	10.4	10.0	8.7	8.9	7.8	7.8	-0.1
5.5-6.0 (High)	17.6	17.7	14.2	14.6	13.2	13.1	14.6	12.3	11.3	9.8	10.8	10.7	10.9	9.6	-1.3
Race/Ethnicity (2-year average): b															
White	20.9	21.3	19.2	17.0	16.4	15.6	16.0	15.4	14.1	12.8	11.7	11.3	11.0	10.5	-0.5
African American	7.8	8.3	8.0	8.4	9.3	8.3	7.6	7.2	5.5	5.3	4.8	3.7	3.1	3.7	+0.6
Hispanic	16.6	15.0	14.0	14.9	15.7	13.8	12.5	13.1	11.6	10.0	8.5	7.8	7.7	8.0	+0.3

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 101

BEEN DRUNK: Trends in 30-Day Prevalence by Subgroups in Grade 12

						Percer	ntage wh	o had be	en drun	k in last (30 days					
	1975–															
	<u>1990</u>	<u>1991</u>	1992	<u>1993</u>	1994	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	2001	2002	2003	2004	2005
Approximate weighted N =	_	15,000	15,800	16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700
Total	_	31.6	29.9	28.9	30.8	33.2	31.3	34.2	32.9	32.9	32.3	32.7	30.3	30.9	32.5	30.2
Gender:																
Male	_	37.1	35.2	34.5	34.5	37.8	35.4	39.2	39.0	37.9	38.4	37.0	34.3	34.9	36.0	33.6
Female	_	25.4	24.5	23.5	26.8	28.8	27.3	29.1	26.6	27.7	26.7	28.4	26.9	26.9	29.0	26.4
College Plans:																
None or under 4 years	_	32.2	31.4	32.6	32.2	37.6	31.4	38.1	33.7	36.1	35.0	36.3	31.7	37.6	34.7	34.3
Complete 4 years	_	30.9	29.2	27.4	29.4	31.4	31.0	32.3	32.0	31.7	30.6	31.3	29.3	28.7	31.2	28.5
Region:																
Northeast	_	36.4	30.0	35.0	35.2	35.5	37.2	35.9	35.6	37.5	39.3	33.9	33.6	35.4	38.1	38.7
Midwest	_	37.2	38.2	32.5	34.1	38.2	31.5	33.7	34.8	33.4	34.8	39.2	35.0	34.9	34.2	31.3
South	_	26.5	25.2	26.4	29.1	31.2	31.0	34.5	30.1	30.8	26.5	28.8	28.4	25.9	29.3	26.9
West	_	28.5	26.6	23.2	25.4	27.1	24.7	32.7	33.5	32.2	32.8	28.8	25.0	30.1	29.5	26.5
Population Density:																
Large MSA	_	30.4	26.1	29.4	28.7	32.0	31.5	31.5	32.2	29.2	30.5	30.6	32.9	25.4	27.4	28.2
Other MSA	_	33.5	29.8	26.9	29.9	31.7	33.0	33.7	34.0	35.4	34.5	31.7	29.1	33.5	37.3	31.5
Non-MSA	_	29.4	33.7	32.0	34.4	36.9	28.2	38.2	31.4	32.5	30.5	36.7	29.2	33.2	29.1	29.9
Parental Education: a																
1.0–2.0 (Low)	_	20.4	20.5	23.6	25.7	25.4	18.8	23.7	24.6	20.8	28.4	22.2	20.0	25.6	25.5	22.0
2.5–3.0	_	30.2	30.0	26.4	30.3	30.0	27.4	31.5	28.0	30.5	33.1	32.2	27.0	28.7	32.3	29.9
3.5–4.0	_	31.0	31.3	29.2	29.9	34.4	31.1	32.7	34.1	34.0	31.2	32.0	32.4	30.6	35.1	31.3
4.5–5.0	_	34.4	29.4	32.8	33.5	36.5	35.8	37.7	36.0	32.8	31.9	36.1	31.0	33.3	33.7	31.3
5.5–6.0 (High)	_	40.5	34.3	30.4	30.7	34.9	34.6	39.8	39.9	40.6	35.5	33.6	34.5	33.4	32.6	32.2
Race/Ethnicity (2-year average): b																
White	_	_	34.7	33.6	34.0	36.4	36.6	37.7	39.3	37.8	37.0	37.7	36.6	35.6	36.4	36.5
African American	_	_	11.0	12.5	14.1	13.2	13.0	13.8	13.8	14.9	14.9	12.0	12.1	11.7	14.3	15.4
Hispanic			27.2	24.8	23.0	24.2	26.2	26.9	25.9	27.5	29.8	25.5	23.5	23.9	24.1	22.2

TABLE 101 (cont.)

BEEN DRUNK: Trends in 30-Day Prevalence by Subgroups in Grade 12

					Percer	ntage wh	o had be	en drunl	k in last 3	30 days					
	2006	2007	2008	2009	2010	<u>2011</u>	2012	2013	<u>2014</u>	<u>2015</u>	<u>2016</u>	2017	2018	2019	2018-2019 <u>change</u>
Approximate weighted N =	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	30.0	28.7	27.6	27.4	26.8	25.0	28.1	26.0	23.5	20.6	20.4	19.1	17.5	17.5	0.0
Gender:															
Male	32.9	31.7	29.2	32.7	31.2	27.5	30.6	29.1	24.9	21.1	22.1	20.4	19.0	17.2	-1.7
Female	26.3	25.7	26.2	22.5	21.8	22.0	24.8	22.7	22.4	19.6	19.1	18.1	16.2	17.4	+1.2
College Plans:															
None or under 4 years	37.2	30.6	32.0	31.0	32.9	27.9	29.6	28.9	25.3	21.2	23.8	21.7	17.1	19.6	+2.5
Complete 4 years	27.6	28.2	26.4	25.9	24.8	24.1	27.3	25.0	22.6	20.3	19.4	18.6	17.6	16.4	-1.2
Region:															
Northeast	37.9	32.6	31.1	36.3	32.4	31.5	34.7	30.1	28.6	25.1	21.8	25.3	20.7	17.9	-2.8
Midwest	32.2	32.0	31.2	29.4	28.9	27.5	29.6	26.8	25.9	20.3	22.8	17.7	18.0	18.9	+0.9
South	27.4	26.5	25.5	23.6	24.9	21.5	22.2	21.7	21.0	18.4	17.6	17.8	15.4	16.2	+0.7
West	25.2	26.0	24.1	23.5	23.4	23.3	29.3	28.3	21.4	21.3	22.1	18.4	18.3	18.4	0.0
Population Density:															
Large MSA	30.4	29.8	31.4	29.8	26.6	23.8	30.7	25.6	22.5	22.9	21.1	19.7	18.4	16.7	-1.7
Other MSA	29.0	27.6	25.0	25.9	26.8	26.9	28.0	28.1	25.2	18.1	20.4	17.3	16.4	17.3	+0.9
Non-MSA	31.4	29.4	28.8	27.8	27.2	22.3	24.1	21.1	20.7	22.6	19.4	21.9	18.6	19.1	+0.5
Parental Education: a															
1.0-2.0 (Low)	27.7	19.7	26.7	19.8	22.4	19.1	19.7	25.7	18.7	14.0	13.9	15.8	9.5	12.7	+3.2
2.5–3.0	29.5	31.6	25.3	29.0	25.4	22.9	26.6	24.8	25.2	21.4	19.3	15.7	16.0	15.6	-0.4
3.5-4.0	31.0	26.8	28.2	28.2	28.6	26.3	29.5	25.6	21.7	22.4	21.8	20.0	16.8	17.1	+0.3
4.5–5.0	29.7	28.4	30.0	27.0	26.5	25.6	29.7	27.9	25.9	21.8	21.5	19.7	19.1	19.7	+0.6
5.5-6.0 (High)	30.1	33.0	27.8	29.0	26.5	27.5	30.5	27.1	25.8	21.1	23.4	24.1	27.5	21.2	-6.3
Race/Ethnicity (2-year average): b															
White	35.2	33.7	32.7	31.8	31.6	29.9	29.7	30.6	29.0	26.4	25.0	24.2	23.1	21.9	-1.2
African American	13.5	14.6	14.8	15.1	14.7	14.2	14.3	13.4	15.1	13.8	9.9	10.1	10.9	10.5	-0.4
Hispanic	23.1	24.0	22.2	21.7	20.5	20.0	21.2	22.7	19.5	16.0	17.2	16.8	13.1	11.6	-1.4

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on two of six forms; N is two sixths of N indicated in Table S3.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 102

BINGE DRINKING: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 8

				Pe	rcentage	e reportir	ng 5+ drir	nks in a r	ow on o	ne or mo	re occas	ions				
	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	<u>2003</u>	2004	<u>2005</u>	
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	
Total	10.9	11.3	11.3	12.1	12.3	13.3	12.3	11.5	13.1	11.7	11.0	10.3	9.8	9.4	8.4	
Gender:																
Male	12.1	11.6	12.4	13.2	12.5	14.1	13.0	12.1	14.0	11.7	11.5	10.4	10.2	8.8	8.2	
Female	9.6	10.8	10.3	11.1	12.1	12.4	11.5	10.8	12.0	11.3	10.2	10.0	9.4	9.9	8.6	
College Plans:																
None or under 4 years	21.1	23.0	25.7	25.3	25.0	26.1	26.5	26.7	30.2	25.0	24.7	24.7	23.2	21.2	21.0	
Complete 4 years	9.3	9.7	9.4	10.5	10.8	11.3	10.7	9.8	11.2	10.1	9.4	9.0	8.4	8.2	7.2	
Region:																
Northeast	8.6	8.8	8.1	10.9	11.1	12.8	10.9	9.7	12.4	11.5	10.5	8.4	7.8	8.1	6.0	
Midwest	11.5	12.5	10.9	11.5	12.2	13.5	12.0	12.4	15.5	13.2	10.8	10.5	10.8	10.1	8.7	Ta
South	11.9	12.3	12.9	12.4	13.0	13.7	13.2	11.9	13.3	11.0	12.5	11.4	10.6	9.6	9.8	
West	10.2	10.4	12.8	13.8	12.3	12.9	12.3	11.6	10.3	10.9	9.0	9.9	9.0	9.5	8.0	
Population Density:																
Large MSA	10.6	10.4	8.6	10.4	10.3	12.2	11.3	10.1	11.0	10.6	9.2	8.3	8.8	8.7	8.0	
Other MSA	10.5	11.7	12.3	13.1	12.2	13.7	12.1	10.9	12.1	10.5	11.0	10.8	8.9	9.3	8.3	
Non-MSA	12.0	11.7	12.9	12.1	15.0	14.2	13.9	14.3	17.4	15.3	13.1	11.8	12.9	10.5	9.2	
Parental Education: a																
1.0-2.0 (Low)	18.3	17.8	16.3	16.8	20.1	16.9	17.6	16.5	20.8	18.9	16.5	16.6	16.3	14.9	14.4	
2.5–3.0	12.6	13.4	13.3	14.2	14.8	15.4	13.5	13.8	17.0	15.3	14.3	12.8	13.5	12.1	10.7	
3.5–4.0	10.7	11.3	11.5	12.5	13.3	14.3	14.2	12.4	14.0	11.0	11.7	11.1	10.5	10.0	9.4	
4.5–5.0	8.8	8.7	8.5	10.3	9.3	11.1	10.3	9.3	9.5	8.2	8.1	7.9	6.7	8.0	6.4	
5.5-6.0 (High)	8.8	8.4	8.9	9.1	8.7	10.7	9.0	9.4	9.2	9.5	6.6	7.3	6.8	6.2	5.0	
Race/Ethnicity (2-year average): b																
White	_	11.2	10.9	11.1	12.1	13.2	13.3	12.3	12.6	13.0	11.9	10.9	10.0	9.6	9.0	
African American	_	6.5	7.6	8.6	8.3	8.0	7.5	6.9	7.7	7.3	6.4	7.1	7.5	6.9	6.1	
Hispanic	_	16.5	17.7	18.9	18.4	17.5	17.4	16.9	17.4	16.0	14.4	14.4	13.8	13.2	12.1	

TABLE 102 (cont.)

BINGE DRINKING: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 8

				Percen	tage rep	orting 5+	drinks ir	n a row c	on one o	r more o	ccasions				
															2018-2019
	2006	2007	2008	2009	<u>2010</u>	<u>2011</u>	2012	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	change
Approximate weighted N =	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	14,400	16,900	15,300	14,000	13,600	
Total	8.7	8.3	8.1	7.8	7.2	6.4	5.1	5.1	4.1	4.6	3.4	3.7	3.7	3.8	+0.2
Gender:															
Male	8.6	8.2	8.1	7.8	6.5	6.1	4.6	4.5	3.5	4.6	3.2	3.1	3.3	3.5	+0.2
Female	8.5	8.2	8.0	7.7	7.8	6.5	5.5	5.7	4.6	4.6	3.6	4.2	3.9	4.0	+0.1
College Plans:															
None or under 4 years	19.3	21.5	21.3	19.1	17.6	15.6	15.3	14.2	9.9	10.5	7.7	8.3	8.9	8.2	-0.7
Complete 4 years	7.6	7.1	7.0	6.8	6.3	5.7	4.4	4.5	3.7	4.1	3.0	3.2	2.9	3.1	+0.2
Region:															
Northeast	7.8	5.6	7.1	8.2	6.2	3.7	4.3	4.2	3.3	3.6	2.5	2.8	2.9	2.0	-0.9
Midwest	8.8	7.5	8.2	7.0	6.5	6.1	2.6	4.1	3.4	3.8	2.7	3.1	2.9	3.6	+0.6
South	9.7	9.4	9.7	8.8	8.4	7.1	6.3	6.4	4.7	5.4	4.3	3.9	3.6	4.8	+1.3
West	7.6	8.9	6.3	6.6	6.6	8.0	6.1	4.8	4.5	4.8	3.2	4.7	5.1	3.9	-1.1
Population Density:															
Large MSA	8.1	7.4	8.1	6.4	6.5	5.8	4.5	4.9	4.0	4.3	2.7	3.5	3.7	3.1	-0.6
Other MSA	8.3	8.5	7.9	8.2	7.6	6.6	5.6	5.0	4.0	4.6	3.4	3.5	3.7	3.9	+0.2
Non-MSA	10.2	9.2	8.4	8.9	7.0	7.0	5.1	5.8	4.5	5.3	4.6	4.4	3.4	5.1	+1.6
Parental Education: a															
1.0-2.0 (Low)	13.3	15.5	17.0	15.2	12.0	11.0	9.5	9.5	5.7	7.5	6.2	6.2	5.9	5.6	-0.3
2.5–3.0	10.6	10.5	10.5	9.5	9.3	8.8	7.6	6.7	5.4	5.8	4.6	5.1	4.7	6.5	+1.8
3.5-4.0	9.9	9.2	7.9	8.7	8.0	7.2	5.3	6.4	4.9	4.9	2.8	3.7	3.7	4.2	+0.5
4.5–5.0	6.7	5.5	5.7	5.3	5.7	4.6	3.8	3.0	3.4	3.1	3.1	2.9	2.6	3.0	+0.4
5.5-6.0 (High)	5.9	5.0	4.7	4.7	4.3	4.1	2.0	3.9	3.0	3.6	2.3	2.5	2.5	2.1	-0.5
Race/Ethnicity (2-year average): b															
White	8.4	8.0	7.8	7.7	7.1	6.2	4.9	4.2	4.2	4.0	3.6	3.0	2.9	3.4	+0.5
African American	5.7	5.6	5.7	5.2	5.3	5.1	4.3	4.5	4.4	4.1	3.4	2.9	2.6	1.9	-0.8
Hispanic	11.6	12.5	12.3	11.5	10.8	10.4	9.9	7.8	5.7	5.4	5.3	4.9	5.2	5.3	+0.1

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 103

BINGE DRINKING: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 10

				Pe	rcentage	reportin	g 5+ drir	ıks in a r	ow on or	ne or mo	re occas	ions				
	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	2003	2004	<u>2005</u>	
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	
Total	21.0	19.1	21.0	21.9	22.0	22.8	23.1	22.4	23.5	24.1	22.8	20.3	20.0	19.9	19.0	
Gender:																
Male	24.1	21.5	24.1	26.4	24.1	25.1	26.3	24.7	27.4	27.6	26.1	21.6	21.1	21.6	19.9	
Female	18.1	17.0	17.7	17.3	19.7	20.4	20.1	20.4	20.0	20.6	19.7	19.0	19.0	18.1	17.9	
College Plans:																
None or under 4 years	30.5	28.6	31.8	34.1	34.5	35.7	36.9	35.7	36.5	36.7	37.2	31.0	31.5	29.6	31.3	
Complete 4 years	19.1	17.2	18.8	19.3	19.8	20.7	20.8	20.2	21.5	22.2	20.5	18.5	18.2	18.6	17.3	
Region:																
Northeast	23.7	18.0	21.1	19.9	20.3	22.3	21.8	24.1	26.0	23.8	20.7	19.5	21.5	23.8	21.0	
Midwest	21.7	19.8	22.0	23.0	23.3	23.4	22.4	22.2	25.0	26.2	24.8	20.3	19.9	16.7	18.8	Table continued on next page
South	20.8	18.9	20.4	22.9	22.4	23.5	23.4	23.1	22.1	22.5	22.1	19.7	19.1	20.1	18.6	
West	18.6	19.8	20.0	20.4	21.1	21.4	25.3	19.9	21.7	24.6	23.1	22.2	20.1	19.6	17.6	
Population Density:																
Large MSA	20.2	17.5	19.1	17.6	18.4	20.5	20.4	18.3	22.4	24.0	20.8	17.6	18.0	16.9	17.4	
Other MSA	20.4	18.1	19.2	22.7	22.1	23.0	22.9	22.0	22.7	23.4	21.7	20.4	19.9	21.6	19.4	
Non-MSA	22.9	22.8	25.8	24.6	25.9	25.3	26.6	28.0	26.7	25.7	27.2	23.8	23.4	20.1	20.3	
Parental Education: a																
1.0-2.0 (Low)	23.2	23.0	24.3	22.6	26.7	24.7	22.7	24.1	25.2	24.7	23.0	23.9	24.4	23.0	21.0	
2.5–3.0	23.8	20.0	23.4	23.4	24.7	25.5	23.5	25.5	26.3	27.0	24.6	22.5	21.8	21.9	21.3	
3.5-4.0	19.9	19.2	20.6	23.3	22.8	23.7	24.6	22.8	23.6	23.8	24.2	20.7	20.5	20.4	18.9	
4.5–5.0	19.3	18.1	18.6	20.2	20.2	20.3	21.6	20.1	21.3	23.3	21.5	17.7	17.8	18.2	17.9	
5.5-6.0 (High)	20.9	18.4	18.9	18.5	17.3	22.4	22.4	20.1	23.6	23.1	21.2	18.7	18.4	19.0	17.9	
Race/Ethnicity (2-year average): b																
White	_	21.6	21.4	22.9	23.8	24.5	25.2	25.3	25.4	26.2	25.6	23.6	22.5	22.2	21.8	
African American	_	12.3	11.9	11.8	11.1	9.4	10.0	10.6	10.7	10.8	10.3	10.0	9.8	9.7	9.1	
Hispanic	_	20.3	20.5	20.9	23.3	25.7	24.4	23.6	24.4	25.1	24.8	23.3	22.9	23.3	22.4	

TABLE 103 (cont.)

BINGE DRINKING: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 10

-				Percen	tage rep	orting 5+	drinks ii	n a row o	on one or	more o	ccasions				
	0000	0007	0000	0000	0040	0044	0040	0040	0044	0045	0040	0047	0040	0040	2018-2019
	<u>2006</u>	2007	2008	2009	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	2014	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	change
Approximate weighted N =		-		-	15,200			12,900	13,000		14,700	13,500	14,300	14,000	
Total	19.9	19.6	16.0	17.5	16.3	14.7	15.6	13.7	12.6	10.9	9.7	9.8	8.7	8.5	-0.2
Gender:															
Male	21.0	20.9	16.6	18.8	17.9	16.5	16.4	14.7	13.1	11.3	9.6	9.0	9.1	9.0	0.0
Female	18.9	18.3	15.4	16.1	14.6	12.7	14.8	12.5	12.2	10.6	9.8	10.5	8.3	7.9	-0.4
College Plans:															
None or under 4 years	30.8	30.7	29.1	29.9	30.5	27.1	25.9	21.7	24.3	18.3	16.4	15.0	14.0	12.1	-2.0
Complete 4 years	18.6	18.2	14.4	16.1	14.6	13.4	14.6	12.8	11.4	10.1	9.0	9.1	7.9	7.7	-0.1
Region:															
Northeast	21.2	20.4	16.8	16.4	15.2	16.8	19.5	14.5	13.8	11.9	9.4	9.8	9.0	9.0	0.0
Midwest	20.0	20.7	16.5	17.2	16.2	13.0	13.8	12.3	11.4	9.7	9.2	8.5	7.6	8.2	+0.7
South	19.1	18.4	16.3	18.4	16.7	15.4	16.2	15.0	13.3	11.9	10.4	9.7	9.6	8.7	-0.8
West	20.1	19.5	14.4	17.4	16.9	14.1	13.2	12.8	11.9	9.6	9.6	11.3	8.1	8.1	-0.1
Population Density:															
Large MSA	19.2	17.9	14.5	16.7	16.0	14.3	15.9	13.7	12.3	11.0	10.2	12.2	9.4	7.2	-2.2
Other MSA	19.7	19.6	16.0	17.0	16.5	14.7	14.8	13.7	12.4	10.3	8.7	8.2	8.1	8.9	+0.8
Non-MSA	21.9	22.5	18.1	19.8	16.7	15.4	16.6	13.7	13.8	12.4	11.8	10.0	8.7	9.6	+0.8
Parental Education: a															
1.0-2.0 (Low)	19.8	22.0	20.6	25.7	22.8	17.6	20.5	17.8	15.4	13.9	10.5	11.7	11.2	8.9	-2.3
2.5–3.0	22.8	22.6	17.8	19.6	19.5	17.1	17.3	15.1	14.0	11.9	10.8	9.4	9.5	9.4	-0.1
3.5-4.0	21.2	20.7	16.6	18.4	16.3	15.8	15.0	13.6	13.7	12.1	10.0	10.9	8.5	9.5	+1.0
4.5–5.0	18.1	17.7	14.7	14.7	14.1	12.7	15.4	12.5	10.7	10.1	9.2	9.2	7.2	7.0	-0.2
5.5–6.0 (High)	19.0	17.2	12.8	14.8	13.1	12.3	14.7	12.1	11.6	9.6	10.0	9.9	9.4	8.4	-1.0
Race/Ethnicity (2-year average): b															
White	21.7	21.8	19.7	17.9	17.2	16.1	16.3	15.7	14.4	13.0	11.6	11.0	10.5	9.7	-0.8
African American	9.1	10.0	9.8	9.8	10.7	9.4	8.2	8.6	7.5	6.9	5.8	4.7	3.9	4.2	+0.3
Hispanic	21.2	20.1	19.6	20.6	22.2	19.7	17.1	16.9	15.0	13.2	11.4	11.3	10.8	9.3	-1.5

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 104

BINGE DRINKING: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 12

					Percen	tage rep	orting 5+	drinks ir	a row o	n one or	more oc	casions				
	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>
Approximate weighted N =	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200
Total	36.8	37.1	39.4	40.3	41.2	41.2	41.4	40.5	40.8	38.7	36.7	36.8	37.5	34.7	33.0	32.2
Gender:																
Male	49.0	47.9	50.0	51.4	51.9	52.1	51.6	49.8	50.4	47.5	45.3	46.1	46.1	43.0	41.2	39.1
Female	26.4	25.9	29.3	29.6	30.9	30.5	30.8	31.1	31.0	29.6	28.2	28.1	29.2	26.5	24.9	24.4
College Plans:																
None or under 4 years	_	41.8	44.7	44.3	44.5	46.3	46.7	45.7	44.9	43.5	41.6	41.3	42.7	38.5	38.2	35.8
Complete 4 years	_	31.5	33.9	35.9	37.7	36.9	37.4	36.5	37.2	34.6	33.0	34.1	35.0	32.8	30.5	30.3
Region:																
Northeast	43.0	40.8	40.0	43.5	47.4	48.0	49.3	43.3	42.2	42.9	42.4	37.1	37.2	34.3	33.3	37.2
Midwest	40.6	42.8	44.5	45.3	44.8	45.4	44.9	47.9	47.2	44.3	39.7	42.6	43.5	39.9	40.4	37.9
South	32.1	30.8	36.3	36.4	36.7	34.4	34.7	34.6	37.6	33.5	29.7	31.7	33.4	30.4	28.5	27.2
West	29.0	32.8	34.2	33.3	34.0	36.0	35.6	32.5	33.3	34.5	36.1	35.9	36.6	35.4	30.8	26.3
Population Density:																
Large MSA	37.9	37.0	38.1	39.5	42.2	44.8	43.4	40.9	38.8	37.9	37.6	36.4	34.8	32.5	28.8	34.5
Other MSA	36.1	36.8	39.5	40.1	40.8	38.9	39.5	39.7	41.0	37.3	35.4	35.5	38.6	35.3	33.7	31.8
Non-MSA	36.9	38.0	40.5	41.3	40.9	41.4	42.2	41.3	42.0	41.2	37.6	39.1	38.3	35.9	35.8	30.6
Parental Education: a																
1.0-2.0 (Low)	31.6	34.1	35.6	36.3	36.0	37.0	37.0	35.3	37.2	34.8	31.8	31.7	33.9	30.7	25.4	25.3
2.5-3.0	37.5	41.1	41.8	40.9	42.3	43.3	43.2	41.4	41.2	39.8	38.2	37.9	38.9	35.7	34.0	32.7
3.5-4.0	35.1	36.4	39.5	41.3	41.4	42.1	42.4	42.4	40.9	39.3	36.9	37.9	38.3	34.7	34.3	32.0
4.5-5.0	34.4	36.9	37.2	42.4	43.8	40.8	40.8	41.9	41.9	38.6	37.1	37.1	37.2	35.1	34.2	34.5
5.5-6.0 (High)	29.9	34.5	41.1	37.2	41.9	38.5	39.3	40.9	42.1	38.2	34.9	36.7	37.2	34.7	31.8	34.1
Race/Ethnicity (2-year avera	age): ^b															
White	_	_	40.5	42.4	43.5	44.3	44.9	44.9	44.5	43.6	41.5	40.3	40.9	40.0	37.9	36.6
African American	_	_	19.0	19.3	18.9	17.7	17.1	17.1	18.3	17.2	15.7	16.4	15.8	15.2	15.7	14.4
Hispanic	_	_	36.4	37.2	33.6	33.1	34.8	32.9	32.5	33.0	31.7	30.8	33.0	33.7	28.8	25.6

TABLE 104 (cont.)

BINGE DRINKING: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 12

					Percen	tage rep	orting 5+	drinks in	a row o	n one or	more oc	casions				
	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	2003	2004	2005	2006
Approximate weighted N =		15,800	16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800		14,600	14,600	14,700	14,200
Total	29.8	27.9	27.5	28.2	29.8	30.2	31.3	31.5	30.8	30.0	29.7	28.6	27.9	29.2	27.1	25.4
Gender:																
Male	37.8	35.6	34.6	37.0	36.9	37.0	37.9	39.2	38.1	36.7	36.0	34.2	34.2	34.3	32.6	28.9
Female	21.2	20.3	20.7	20.2	23.0	23.5	24.4	24.0	23.6	23.5	23.7	23.0	22.1	24.2	21.6	21.5
College Plans:																
None or under 4 years	34.4	32.8	32.7	34.0	35.2	33.9	36.2	36.3	35.4	35.7	35.9	34.0	34.5	34.6	34.3	32.3
Complete 4 years	27.9	26.0	25.8	26.3	27.8	28.8	29.5	30.0	29.5	27.6	27.8	27.2	25.9	27.6	25.1	23.7
Region:																
Northeast	33.4	25.8	30.3	29.2	31.2	33.7	33.5	33.5	33.7	35.1	31.8	30.7	30.9	33.2	32.2	30.9
Midwest	34.6	34.6	30.1	31.9	34.3	31.5	31.6	32.6	31.6	33.9	34.5	33.4	32.5	30.2	29.1	26.5
South	26.3	24.7	27.1	26.9	28.6	30.2	30.6	30.7	30.0	24.9	26.6	26.8	23.7	26.1	24.2	23.9
West	26.3	26.0	22.0	24.5	24.2	24.0	29.6	29.5	28.6	29.3	26.0	23.9	26.5	28.6	24.5	22.0
Population Density:																
Large MSA	28.6	25.5	27.6	26.8	28.3	29.8	29.9	27.9	27.1	29.7	29.0	29.9	23.3	25.5	26.5	26.6
Other MSA	30.1	27.0	26.5	27.1	28.4	30.3	31.1	33.1	32.2	29.3	29.0	28.0	29.8	31.9	27.4	25.0
Non-MSA	30.4	31.9	29.2	31.5	34.0	30.5	33.2	32.4	32.4	31.7	31.9	28.2	30.5	28.2	27.0	24.5
Parental Education: a																
1.0-2.0 (Low)	26.8	23.4	21.9	24.0	26.6	24.8	22.6	26.3	27.4	25.1	24.8	22.2	23.5	22.9	19.4	25.4
2.5-3.0	29.9	28.1	27.6	28.5	31.2	28.6	30.4	30.3	30.8	29.2	30.2	28.5	27.6	28.8	28.3	25.8
3.5-4.0	30.4	27.9	28.4	28.4	29.5	29.8	31.0	33.2	30.5	30.5	30.3	28.6	28.4	30.9	27.6	26.5
4.5-5.0	29.9	28.1	28.4	29.3	29.9	32.4	32.4	32.3	30.6	29.9	30.9	30.9	28.6	30.5	29.4	24.0
5.5-6.0 (High)	30.6	30.4	29.0	29.0	30.7	33.1	34.9	32.4	34.2	32.7	28.6	30.6	28.7	27.8	25.2	26.3
Race/Ethnicity (2-year aver	age): ^b															
White	34.6	32.1	31.3	31.5	32.3	33.4	35.1	36.4	35.7	34.6	34.5	33.7	32.4	32.5	32.5	30.4
African American	11.7	11.3	12.6	14.4	14.9	15.3	13.4	12.3	12.3	11.5	11.8	11.5	10.8	11.4	11.3	11.4
Hispanic	27.9	31.1	27.2	24.3	26.6	27.1	27.6	28.1	29.3	31.0	28.4	26.4	25.9	26.0	23.9	23.3

TABLE 104 (cont.)

BINGE DRINKING: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 12

			Pe	rcentage	reportin	g 5+ drin	ks in a ro	ow on on	e or more	e occasio	ons			
	2007	2008	2009	<u>2010</u>	<u>2011</u>	2012	2013	2014	<u>2015</u>	<u>2016</u>	2017	2018	<u>2019</u>	2018-2019 <u>change</u>
Approximate weighted N =	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	25.9	24.6	25.2	23.2	21.6	23.7	22.1	19.4	17.2	15.5	16.6	13.8	14.4	+0.6
Gender:														
Male	30.7	28.4	30.5	28.0	25.5	27.2	26.1	22.3	19.3	17.2	18.5	15.9	16.1	+0.2
Female	21.5	21.3	20.2	18.4	17.6	19.7	18.1	16.6	14.9	13.5	14.6	11.9	12.4	+0.5
College Plans:														
None or under 4 years	30.8	31.5	31.3	32.1	27.4	27.5	29.2	24.0	21.5	18.2	20.7	16.5	16.7	+0.2
Complete 4 years	24.7	23.2	23.8	21.2	20.4	22.6	20.6	18.3	16.4	14.7	15.8	12.9	13.5	+0.7
Region:														
Northeast	29.7	27.3	28.9	28.7	26.1	29.0	26.6	22.3	21.3	18.0	18.7	15.2	13.6	-1.6
Midwest	28.9	25.2	28.8	24.6	24.3	24.8	22.7	20.4	16.7	16.0	15.7	13.5	13.5	0.0
South	25.4	24.7	23.1	21.0	18.8	19.6	18.6	17.9	16.4	14.6	16.9	14.0	15.0	+1.0
West	20.5	21.9	20.9	20.7	19.9	24.1	23.1	18.8	16.2	14.9	15.6	12.7	15.0	+2.3
Population Density:														
Large MSA	28.0	25.8	25.7	23.0	21.7	25.1	21.3	19.4	18.9	15.6	16.5	13.7	12.8	-0.9
Other MSA	24.2	22.5	24.1	23.6	22.5	23.3	23.3	20.1	15.3	15.2	14.7	12.4	14.2	+1.8
Non-MSA	26.4	28.1	27.2	22.4	19.6	22.4	20.5	17.9	19.3	16.2	21.2	17.1	17.6	+0.5
Parental Education: a														
1.0-2.0 (Low)	20.4	21.3	23.2	20.1	17.9	23.6	21.5	19.0	17.2	14.6	13.0	10.8	11.7	+0.9
2.5-3.0	27.3	23.0	24.6	24.6	21.1	23.9	23.1	20.1	17.1	13.9	15.5	12.7	14.8	+2.2
3.5-4.0	24.8	25.1	27.6	23.3	23.2	24.3	23.9	19.2	17.4	15.9	16.4	13.8	13.8	0.0
4.5-5.0	27.5	26.2	24.4	24.2	21.4	23.6	21.4	20.7	17.9	16.5	18.2	15.0	14.5	-0.5
5.5-6.0 (High)	27.1	26.4	25.6	21.2	22.1	22.8	20.3	19.0	17.6	15.9	20.1	17.2	17.5	+0.3
Race/Ethnicity (2-year avera	age): ^b													
White	29.7	29.9	29.0	27.6	25.9	25.7	25.6	23.8	21.2	19.1	19.6	19.4	17.6	-1.8 s
African American	11.5	10.9	12.0	13.1	11.3	11.3	12.5	11.3	9.8	8.3	7.7	7.4	6.7	-0.7
Hispanic	22.5	21.5	22.6	22.1	20.8	21.8	22.4	20.4	18.5	16.7	14.4	11.7	10.8	-0.9

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 105 EXTREME BINGE DRINKING:

Trends in 2-Week Prevalence of Having 10 or More Drinks in a Row by Subgroups in <u>Grades 8 and 10</u>

			8th G	Graders .					10th (Graders		
						2018-						2018-
	1991–					2019	1991–					2019
	2015	2016	2017	2018	2019	change	2015	<u>2016</u>	2017	2018	2019	change
Approximate weighted N =	_	16,900	15,300	14,000	13,600		_	14,700	13,500	14,300	14,000	
Total	_	1.2	1.1	1.1	1.7	+0.5	_	3.0	3.6	3.3	3.3	0.0
Gender:												
Male	_	1.2	1.0	1.1	1.0	-0.2	_	3.5	4.1	3.5	3.8	+0.3
Female	_	0.9	1.0	1.0	2.4	+1.4 s	_	2.5	2.8	2.9	2.8	-0.1
College Plans:												
None or under 4 years	_	3.4	2.7	3.8	3.2	-0.5	_	6.6	7.2	8.2	6.9	-1.3
Complete 4 years	_	0.9	8.0	0.7	1.5	+0.8 s	_	2.6	2.8	2.7	2.7	0.0
Region:												
Northeast	_	0.7	1.2	0.5	0.7	+0.2	_	3.2	2.7	3.0	2.3	-0.7
Midwest	_	1.0	0.7	1.0	1.2	+0.2	_	3.5	3.5	2.9	3.3	+0.4
South	_	1.4	0.9	0.6	2.2	+1.6 s	_	2.8	3.5	4.0	3.6	-0.5
West	_	1.2	1.7	2.7	2.0	-0.7	_	2.7	4.6	2.7	3.5	+0.8
Population Density:												
Large MSA	_	0.7	1.2	0.7	8.0	+0.2	_	3.3	4.8	2.9	2.5	-0.5
Other MSA	_	1.1	1.1	1.2	1.8	+0.6	_	2.3	2.2	3.4	3.3	-0.1
Non-MSA	_	2.0	1.0	1.8	2.8	+1.1	_	4.5	5.2	3.5	4.6	+1.1
Parental Education: a												
1.0-2.0 (Low)	_	2.8	2.1	1.8	2.6	+0.8	_	4.9	6.1	4.4	4.9	+0.5
2.5–3.0	_	1.2	1.5	1.8	3.3	+1.6	_	2.7	3.2	2.9	4.7	+1.8
3.5-4.0	_	1.0	0.7	0.6	2.2	+1.6 s	_	2.5	3.1	3.6	4.8	+1.2
4.5–5.0	_	8.0	0.9	0.5	0.7	+0.3	_	2.9	2.9	2.7	1.3	-1.4 s
5.5-6.0 (High)	_	1.0	0.6	8.0	0.9	+0.1	_	3.3	4.2	3.8	2.3	-1.4
Race/Ethnicity (2-year data): b												
White	_	_	8.0	0.6	1.1	+0.5	_	_	3.7	3.9	3.8	-0.1
African American	_	_	1.0	8.0	0.6	-0.2	_	_	0.9	1.0	0.8	-0.2
Hispanic	_	_	1.6	1.6	1.8	+0.2	_	_	3.5	3.4	4.1	0.7

Source. The Monitoring the Future study, the University of Michigan.

'—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Tables S1, S2, and S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in S1 and S2.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 105 (cont.)

EXTREME BINGE DRINKING:

Trends in 2-Week Prevalence of Having 10 or More Drinks in a Row by Subgroups in <u>Grade 12</u>

																2018– 2019
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	change
Approx. weighted N =	14,700	14,200	14,500	14.000	13.700	13.700	13.700	13.600	12,600	12.400	12,900	11.800	12.600	13.300	12,900	onange
Total	10.6	12.9	11.1	10.4	10.6	9.9	9.8	10.4	8.1	7.1	6.1	4.4	6.0	4.6	5.3	+0.7
Gender																
Male	16.0	17.8	15.6	14.3	15.2	14.5	13.6	14.1	11.7	10.9	8.0	5.4	7.6	6.4	6.2	-0.2
Female	4.1	6.8	6.2	5.8	5.5	4.9	4.6	5.3	4.1	3.0	3.3	2.8	2.6	2.4	3.6	+1.2
College Plans																
None or under 4 years	14.0	19.4	14.3	16.4	13.4	15.4	14.9	10.9	11.0	10.3	10.4	7.1	7.8	8.5	6.8	-1.7
Complete 4 years	8.2	10.0	9.7	8.2	9.4	8.0	8.3	9.5	6.2	5.7	4.6	3.0	4.7	3.4	3.4	+0.0
Region																
Northeast	11.0	13.3	13.9	11.0	14.3	9.3	11.2	12.7	8.7	7.5	7.3	4.9	7.4	3.9	2.1	-1.9
Midwest	12.6	15.3	12.1	11.9	13.1	13.8	11.9	10.5	9.4	7.6	8.6	4.3	5.7	3.5	5.6	+2.0
South	10.3	14.2	11.1	10.3	9.6	9.5	9.3	9.0	6.3	7.6	5.1	4.1	6.0	5.5	6.8	+1.3
West	8.3	7.1	7.5	8.1	5.7	7.1	7.5	10.8	9.1	5.4	4.8	4.6	5.4	4.5	4.4	-0.0
Population Density																
Large MSA	9.2	12.6	9.5	10.4	9.5	10.0	10.7	12.5	8.2	5.9	6.9	4.8	7.1	3.8	4.1	+0.3
Other MSA	9.1	12.7	12.2	8.6	10.2	9.0	9.4	8.8	8.8	7.0	4.7	2.5	4.4	4.3	4.8	+0.5
Non-MSA	15.1	13.8	10.9	14.3	13.0	11.9	9.7	11.2	6.4	9.0	8.5	8.4	7.8	6.6	8.6	+2.0
Parental Education ^a																
1.0-2.0 (Low)	6.8	15.8	6.0	10.6	8.8	7.8	9.4	14.9	9.1	6.9	3.0	3.3	6.3	5.6	5.0	-0.6
2.5–3.0	11.8	13.5	10.6	10.8	11.8	9.2	7.6	9.3	7.8	11.4	5.2	4.7	6.0	4.3	3.8	-0.5
3.5-4.0	10.7	11.4	11.1	8.0	10.8	10.4	10.0	9.9	8.5	4.9	7.2	4.4	3.7	4.5	6.7	+2.2
4.5–5.0	10.2	11.3	11.8	11.8	8.4	8.8	9.2	9.9	8.0	6.2	6.1	3.7	6.3	3.7	3.8	+0.1
5.5-6.0 (High)	6.4	10.7	11.2	8.0	9.0	7.1	10.2	9.6	2.7	6.6	5.2	2.4	4.9	4.9	3.8	-1.1
Race/Ethnicity (2-year average) b																
White	_	13.2	13.8	13.3	12.2	11.9	11.9	11.4	9.8	7.9	7.3	6.1	5.9	6.2	5.8	-0.4
African American	_	4.4	4.1	1.4	2.8	4.4	3.5	5.0	5.1	5.0	4.5	1.9	3.2	3.8	2.5	-1.3
Hispanic	_	9.6	8.8	6.7	9.0	8.0	6.8	7.1	8.1	8.0	5.4	3.5	3.0	3.6	3.9	+0.2

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on 1 of 6 forms; N is one sixth of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education reported on the following scale: (1) Completed grade school or less,

(2) Some high school, (3) Completed high school, (4) Some college, (5) Completed college, (6) Graduate or professional school after college. Missing data were allowed on one of the two variables.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 106 EXTREME BINGE DRINKING:

Trends in 2-Week Prevalence of Having 15 or More Drinks in a Row by Subgroups in <u>Grade 12</u>

																2018– 2019
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	change
Approx. weighted N =	14,700	14,200	14,500	14,000	13,700	13,700	13,700	13,600	12,600	12,400	12,900	11,800	12,600	13,300	12,900	<u>oriango</u>
Total	5.7	7.2	5.6	5.6	6.0	6.3	4.6	5.5	4.4	4.1	3.5	2.3	3.1	2.5	3.2	+0.8
Gender																
Male	8.5	10.7	8.3	8.7	8.8	9.4	6.4	7.1	6.4	6.4	4.9	3.6	4.4	3.0	3.7	+0.8
Female	1.8	2.9	2.7	2.1	3.0	2.3	1.9	2.1	1.7	1.2	1.5	1.0	0.7	0.9	1.8	+0.9
College Plans																
None or under 4 years	7.0	12.2	8.3	10.5	7.9	11.0	9.1	6.0	5.9	5.3	8.4	4.2	6.3	4.8	5.2	+0.4
Complete 4 years	4.1	5.1	4.5	4.1	5.3	4.6	3.3	4.6	2.9	3.1	2.0	1.7	2.0	1.6	1.7	+0.1
Region																
Northeast	5.6	5.5	6.0	4.7	6.6	5.7	4.3	5.1	5.5	4.0	3.8	1.7	2.2	1.7	1.7	+0.0
Midwest	7.1	8.9	6.7	6.5	8.2	9.6	6.8	5.9	4.9	4.2	4.2	2.8	2.3	1.0	2.7	+1.7 s
South	5.9	8.4	6.1	6.2	6.1	6.1	4.6	5.6	3.4	4.9	3.0	2.2	3.7	3.9	4.3	+0.5
West	4.1	4.3	3.5	4.1	2.4	3.9	2.7	5.2	4.4	2.6	3.6	2.5	3.6	2.0	2.7	+0.7
Population Density																
Large MSA	4.9	7.2	4.3	4.0	5.5	6.5	4.0	7.1	4.9	3.3	3.9	2.6	3.3	1.3	2.4	+1.1
Other MSA	5.5	6.6	6.4	4.2	5.4	5.8	4.3	4.2	4.5	4.5	3.0	1.6	2.6	2.2	3.2	+1.0
Non-MSA	7.4	8.1	6.0	10.5	7.8	7.2	6.3	6.3	3.3	4.2	4.3	3.5	4.2	5.2	4.7	-0.5
Parental Education ^a																
1.0-2.0 (Low)	5.5	8.0	5.7	7.9	5.6	6.6	6.3	9.7	4.3	4.9	1.9	1.6	2.6	4.1	3.8	-0.3
2.5–3.0	6.3	7.6	6.4	5.3	7.4	5.2	4.7	4.1	3.2	4.7	2.9	2.8	3.6	1.8	2.5	+0.7
3.5-4.0	4.0	6.1	5.6	4.6	6.1	6.6	5.5	4.2	5.2	3.4	4.0	2.3	2.7	2.1	3.7	+1.6
4.5–5.0	4.9	6.9	5.7	6.1	4.0	4.0	2.6	5.0	3.7	3.4	3.3	2.1	2.7	1.1	2.4	+1.3
5.5-6.0 (High)	4.1	4.7	2.7	2.6	4.2	4.9	3.8	5.2	0.6	3.6	2.4	0.7	0.9	3.2	1.0	-2.2
Race/Ethnicity (2-year average) b																
White	_	6.9	7.0	6.5	6.7	6.9	6.1	5.2	4.9	4.4	4.1	3.1	2.7	2.9	2.7	-0.2
African American	_	1.1	2.2	1.5	1.8	3.1	2.5	2.8	2.8	2.7	1.6	0.4	2.3	3.2	2.5	-0.7
Hispanic	_	5.6	5.8	5.1	5.0	4.3	4.4	4.5	4.6	3.8	2.9	2.8	1.8	1.3	1.9	+0.6

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on 1 of 6 forms; N is one sixth of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education reported on the following scale: (1) Completed grade school or less,

(2) Some high school, (3) Completed high school, (4) Some college, (5) Completed college, (6) Graduate or professional school after college. Missing data were allowed on one of the two variables.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 107

BEER: Trends in 30-Day Prevalence of Use by Subgroups in Grade 8

Percentage who used in last 30 days 1992 1993 1994 1995 1996 1997 1999 2000 2001 2002 2005 Approximate weighted N = 17,500 18.600 18.300 17.300 17.500 17.800 18.600 18.100 16.700 16.700 16.200 15.100 16.500 17.000 16.800 Total 16.2 16.9 17.4 18.3 18.8 18.4 16.7 16.2 16.6 15.2 15.0 12.3 12.0 14.4 12.8 Gender: Male 19.1 18.6 19.1 18.6 16.5 12.2 12.9 21.2 20.4 19.9 17.7 19.4 16.8 12.4 14.0 Female 13.5 15.3 16.1 14.6 14.7 14.1 13.5 13.6 12.2 12.9 College Plans: None or under 4 years 26.4 27.7 32.2 32.8 36.0 33.0 33.9 32.6 35.5 29.6 32.9 27.4 28.7 26.4 26.3 Complete 4 years 15.6 13.8 13.1 11.5 14.6 15.4 16.6 16.8 16.3 14.6 14.4 14.3 12.9 11.1 10.2 Region: Northeast 14.0 14.0 14.9 18.6 19.3 21.7 18.4 14.7 18.5 14.2 18.7 10.8 12.3 15.1 11.4 Midwest 16.4 18.0 16.7 18.0 17.4 19.3 16.8 18.4 17.5 17.0 13.2 10.2 14.0 15.9 11.4 South 17.8 18.5 19.1 18.2 20.1 16.6 15.5 16.1 17.2 14.2 14.3 14.0 14.4 15.0 11.4 West 15.1 18.0 18.8 17.8 17.2 15.1 12.6 15.7 15.3 13.9 10.3 11.4 14.9 Population Density: Large MSA 15.0 18.7 15.1 15.2 12.0 16.2 15.0 13.8 14.3 14.0 12.0 11.5 11.0 14.2 11.4 Other MSA 16.1 16.8 17.6 19.4 19.1 19.6 15.9 14.3 16.5 14.1 15.5 12.4 11.9 13.9 13.6 Non-MSA 17.8 15.4 19.8 18.3 21.8 18.8 19.6 22.7 19.4 18.8 17.2 13.2 13.5 15.6 13.1 Parental Education: a 1.0-2.0 (Low) 22.0 19.7 21.6 25.4 23.2 24.1 23.7 22.6 22.5 21.5 24.4 23.9 21.9 21.3 17.1 2.5-3.0 18.2 18.4 19.5 19.7 22.8 21.2 17.4 19.7 20.7 18.4 14.8 15.1 17.8 15.8 21.3 3.5-4.0 15.7 18.0 19.4 19.7 19.6 20.2 18.5 17.9 16.9 13.5 18.1 13.5 14.3 15.0 13.9 4.5-5.0 13.4 14.9 15.3 15.6 17.8 12.7 12.6 12.3 12.0 10.0 8.4 7.4 11.9 5.5-6.0 (High) 14.4 17.2 14.2 13.2 14.1 17.0 16.0 11.4 9.7 10.3 10.2 13.3 13.5 14.6 6.7 Race/Ethnicity (2-year average): b White 16.7 17.6 17.9 19.0 19.7 18.8 17.4 16.8 15.5 13.5 12.0 13.5 14.0 17.4 African American 12.6 13.0 15.8 14.5 9.7 8.1 9.7 7.9 7.2 7.5 8.1 7.6 Hispanic 23.9 24.2 22.2 23.3 23.7 21.8 19.9 19.5 19.8 20.7 21.8 19.6 18.4 18.3

TABLE 107 (cont.)

BEER: Trends in 30-Day Prevalence of Use by Subgroups in Grade 8

					P	ercentaç	ge who u	sed in la	st 30 da	ys					
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2018-2019
Approximate weighted N =		16,100		<u>2009</u> 15,000	2010 15,300	16,000	<u>2012</u> 15,100	<u>2013</u> 14,600	<u>2014</u> 14,600	2015 14,400	16,900	<u>2017</u> 15,300	<u>2016</u> 14,000	13,600	<u>change</u>
Total	12.5	12.2	11.8	10.0	10.6	9.8	7.9	6.8	6.3	7.3	4.7	5.7	6.8	5.8	-1.0
Gender:															
Male	13.0	11.3	12.3	10.6	11.3	10.2	8.5	6.9	6.9	8.1	4.9	5.3	6.3	5.2	-1.1
Female	11.9	12.2	11.2	9.2	10.1	9.2	7.2	6.6	5.8	6.5	4.7	6.3	7.5	6.3	-1.2
College Plans:															
None or under 4 years	24.7	27.3	30.5	20.9	26.1	16.6	19.5	14.5	16.0	14.5	11.8	11.3	13.0	12.2	-0.9
Complete 4 years	11.4	10.8	10.3	9.0	9.4	9.4	7.0	6.3	5.6	6.8	4.3	5.1	6.1	5.0	-1.0
Region:															
Northeast	11.4	9.5	10.4	9.2	10.4	6.8	6.8	5.0	4.6	5.8	4.0	3.1	4.8	3.4	-1.4
Midwest	13.2	10.6	12.5	8.4	10.2	9.1	5.0	7.0	6.1	7.6	3.1	4.7	7.0	5.0	-2.0
South	13.3	14.0	14.1	12.2	12.2	10.5	8.8	8.2	6.4	7.8	6.3	6.4	7.1	6.4	-0.7
West	11.4	12.0	8.9	8.8	8.6	11.7	10.1	5.6	7.6	7.1	4.2	7.7	7.5	6.9	-0.6
Population Density:															
Large MSA	11.9	10.3	13.0	8.9	9.0	8.2	7.4	6.6	4.7	6.8	4.6	4.3	5.6	5.0	-0.6
Other MSA	12.1	12.3	11.3	9.5	10.9	9.9	8.6	7.5	6.5	7.5	4.3	5.8	8.0	5.3	-2.6 s
Non-MSA	14.3	14.6	11.3	12.5	12.3	12.0	6.9	5.9	8.1	7.5	6.2	7.7	5.7	8.3	+2.6
Parental Education: a															
1.0-2.0 (Low)	17.3	21.0	21.3	15.0	13.6	15.4	12.1	11.8	8.6	13.7	12.4	10.1	9.5	9.0	-0.4
2.5–3.0	16.8	19.5	16.7	13.2	14.6	12.5	9.6	8.3	8.8	8.5	6.2	6.3	9.8	8.4	-1.4
3.5–4.0	13.6	10.6	13.1	10.6	11.5	11.4	8.4	8.1	9.0	8.7	3.2	7.1	7.9	6.7	-1.1
4.5–5.0	9.4	9.3	8.8	8.6	8.8	7.5	6.3	6.1	4.1	4.6	4.4	5.2	5.9	4.8	-1.1
5.5-6.0 (High)	9.3	6.7	7.0	6.5	6.5	7.4	4.7	4.9	4.5	6.1	3.0	3.3	4.8	3.8	-1.0
Race/Ethnicity (2-year average): b															
White	12.7	11.5	11.5	11.2	10.7	10.2	8.2	6.8	6.4	6.5	5.4	4.6	5.8	6.5	+0.7
African American	8.5	9.0	7.4	6.3	5.6	5.9	5.8	4.2	3.3	3.7	4.1	3.9	3.1	2.1	-1.0
Hispanic	17.1	17.8	17.8	14.9	13.3	14.0	13.8	11.3	9.0	8.8	8.9	7.8	8.4	8.4	0.0

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001.'—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1991–1996; N is one half of N indicated in Table S1. Data based on one of four forms beginning in 1997; N is one third of N indicated in Table S1.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and

thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 108

BEER: Trends in 30-Day Prevalence of Use by Subgroups in Grade 10

Percentage who used in last 30 days 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2005 Approximate weighted N = 14,800 14,800 15,300 15,800 17,000 15.600 15.500 15.000 13.600 14.300 14.000 14.300 15.800 16.400 16.200 Total 31.1 28.9 28.7 30.2 29.9 30.5 30.4 28.3 29.5 30.6 28.0 24.6 23.2 26.5 24.8 Gender: 27.9 Male 37.6 33.1 33.3 37.3 28.7 30.7 26.5 33.5 34.7 34.1 32.5 35.4 35.4 33.7 Female 24.2 26.2 26.7 24.3 23.8 25.6 22.9 20.9 19.3 23.1 College Plans: None or under 4 years 39.4 37.5 37.4 414 41.9 44 8 43.8 40.5 43.7 42.7 42.3 37.2 30.3 36.4 36.4 Complete 4 years 26.9 28.1 26.1 27.0 28.6 25.9 22.2 25.1 23.2 29.4 27.2 28.0 27.8 28.2 22.7 Region: Northeast 37.1 29.4 32.0 31.9 33.1 33.2 31.0 34.7 27.0 23.8 25.6 30.4 25.2 31.7 31.7 27.8 Midwest 31.7 29.4 29.1 31.6 31.1 30.4 30.1 29.8 33.1 29.0 25.6 23.3 22.1 26.2 South 29.4 28.4 26.6 29.5 29.4 30.6 28.5 27.2 27.8 27.1 26.6 22.6 21.9 27.2 23.6 West 28.4 28.7 27.5 27.3 28.1 31.1 28.1 26.6 32.6 30.6 27.6 22.6 27.0 24.4 Population Density: 22.5 Large MSA 31.0 30.1 28.8 28.9 23.9 28.9 28.8 24.3 29.3 30.1 25.5 21.6 23.4 21.8 Other MSA 28.9 27.4 26.4 30.8 30.3 30.1 31.2 28.9 29.4 29.8 26.2 24.7 22.9 27.0 25.2 Non-MSA 35.2 30.8 32.8 30.0 32.2 33.0 30.5 31.4 30.0 32.7 34.4 27.1 26.1 29.3 27.9 Parental Education: a 1.0-2.0 (Low) 33.3 28.6 29.3 22.4 28.9 33.5 27.7 30.0 34.0 28.9 26.5 26.7 26.7 26.3 28.7 2.5-3.0 32.0 30.3 28.4 31.1 30.3 30.9 32.3 30.8 27.2 28.6 24.1 30.3 29.1 33.0 31.1 3.5-4.0 31.4 29.9 29.0 31.3 30.1 30.9 31.3 30.0 29.5 32.3 29.0 25.1 24.3 26.2 23.8 4.5-5.0 27.7 28.0 30.3 28.5 29.0 31.4 25.0 27.4 32.4 27.7 22.7 21.9 26.4 5.5-6.0 (High) 28.1 27.1 26.5 33.7 30.7 26.5 31.1 28.7 30.4 21.9 21.0 21.7 Race/Ethnicity (2-year average): b White 30.2 32.1 32.5 32.4 32.2 33.1 31.7 28.7 27.0 27.5 28.2 31.7 31.1 31.9 African American 20.3 19.0 18.8 15.9 15.6 13.1 10.0 13.5 14.8 11.6 10.2 12.5 Hispanic 32.2 29.6 29.3 31.2 31.9 31.3 29.8 28.3 28.9 30.7 28.6 25.1 27.8 31.3

TABLE 108 (cont.)

BEER: Trends in 30-Day Prevalence of Use by Subgroups in Grade 10

					Р	ercentaç	je who u	sed in la	st 30 day	ys					
															2018-2019
Approximate weighted N =	2006 16 200	2007 16,100	2008 15.100	2009 15,900	2010 15,200	2011 14.900	2012 15.000	2013 12,900	2014 13,000	2015 15.600	2016 14.700	2017 13.500	2018 14,300	<u>2019</u> 14.000	<u>change</u>
Total	26.8	24.4	22.4	22.6	22.4	19.6	19.6	18.4	17.3	15.7	13.0	14.0	14.1	12.2	-1.9
Gender:	20.0	24.4	22.4	22.0	22.4	19.0	13.0	10.4	17.5	13.7	13.0	14.0	14.1	12.2	-1.9
Male	29.2	26.8	24.5	25.2	26.3	23.0	22.1	21.0	19.2	16.3	13.4	13.6	16.1	13.6	-2.5
Female	24.0	21.8	20.6	19.8	18.4	16.1	17.3	15.7	15.8	15.2	12.3	14.4	12.3	11.1	-2.5 -1.2
College Plans:	24.0	21.0	20.0	19.0	10.4	10.1	17.3	15.7	15.6	13.2	12.3	14.4	12.3	11.1	-1.2
•	20.2	39.2	38.1	38.0	36.9	31.0	27.6	26.9	28.6	24.9	23.6	20.4	16.5	16.2	-0.3
None or under 4 years	39.2														
Complete 4 years	25.2	22.6	20.4	20.9	20.6	18.4	18.7	17.4	16.1	14.8	11.8	13.1	13.9	11.5	-2.3
Region:															
Northeast	31.4	27.3	24.9	23.3	22.3	22.9	23.6	19.7	20.2	17.2	15.2	15.6	15.2	15.1	-0.1
Midwest	25.5	24.7	23.0	21.3	21.3	16.6	16.6	14.1	13.8	13.7	10.7	11.3	11.6	13.6	+1.9
South	25.0	21.2	22.7	23.5	22.2	20.8	20.9	21.5	17.6	17.1	13.4	14.7	16.2	10.9	-5.3 s
West	27.2	25.8	19.7	21.8	23.8	19.0	17.6	17.7	18.0	14.2	12.9	14.5	12.5	11.1	-1.4
Population Density:															
Large MSA	25.5	24.6	21.7	22.1	22.0	18.3	21.6	16.3	16.7	15.3	14.9	15.8	14.9	11.6	-3.3
Other MSA	27.5	22.4	21.8	22.6	22.1	20.7	18.9	19.0	18.0	15.4	10.6	13.0	14.1	11.2	-2.9
Non-MSA	27.3	28.7	24.8	23.1	23.5	19.6	18.2	19.8	16.5	17.3	16.3	13.7	13.1	15.7	+2.7
Parental Education: a															
1.0–2.0 (Low)	27.8	28.9	29.2	26.8	30.4	25.9	23.1	20.6	23.7	19.1	12.5	15.4	17.9	13.9	-4.0
2.5–3.0	30.7	29.7	25.7	25.7	26.8	22.7	21.1	23.3	18.3	20.5	16.6	15.9	14.2	14.5	+0.3
3.5-4.0	28.4	25.4	23.5	22.8	23.3	20.6	18.8	18.0	18.4	16.7	13.0	14.9	13.0	13.6	+0.6
4.5–5.0	23.4	21.5	20.6	20.3	18.5	16.3	19.7	16.8	14.2	13.5	13.4	11.7	13.0	8.9	-4.1 s
5.5-6.0 (High)	26.0	20.5	17.3	20.0	18.8	17.0	19.9	16.8	18.7	14.6	10.4	13.8	16.3	13.5	-2.8
Race/Ethnicity (2-year average): ^b															
White	28.4	27.8	25.3	23.9	23.3	21.6	21.0	20.3	19.6	18.7	16.3	15.0	15.8	15.3	-0.6
African American	11.9	9.7	10.0	11.7	12.5	12.2	8.2	6.9	6.9	7.2	6.1	4.2	4.1	4.4	+0.3
Hispanic	30.7	29.3	28.2	28.0	29.9	28.3	24.4	23.3	20.5	18.2	16.0	16.0	17.5	16.2	-1.3

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1991–1996; N is one half of N indicated in Table S2. Data based on one of four forms beginning in 1997; N is one third of N indicated in Table S2.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and

thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 109 **BEER:** Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

						F	ercenta	ge who u	sed in las	st 30 day	'S					
	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>
Approximate weighted N = Total	_	15,400 59.8	17,100 62.1	17,800 62.3	15,500 63.7	15,900 62.9	17,500 62.7	17,700 60.3	16,300 61.7	15,900 59.5	16,000 56.7	15,200 55.5	16,300 56.2	16,300 53.3	16,700 51.4	15,200 47.2
Gender:	_	59.6	02.1	02.3	03.7	02.9	02.7	00.3	01.7	59.5	30.7	55.5	36.2	55.5	31.4	41.2
Male		68.6	73.1	73.0	74.0	74.3	71.4	68.3	69.7	67.4	64.5	64.3	64.9	61.8	59.7	55.7
Female	_	51.3	52.8	52.7	54.5	52.4	53.9	52.7	54.0	51.8	49.4	47.9	48.1	46.3	43.4	38.0
	_	51.3	52.8	52.7	54.5	52.4	53.9	52.7	54.0	51.8	49.4	47.9	46.1	40.3	43.4	38.0
College Plans:		00.4	04.0	05.0	05.7	00.0	05.0	04.0	00.4	00.7	50.0	54.0	50.0	F7.0		40.5
None or under 4 years	_	62.1	64.6	65.2	65.7	68.3	65.0	64.6	62.4	62.7	59.8	54.2	58.2	57.3	55.5	46.5
Complete 4 years	_	57.6	60.3	59.5	61.6	58.4	61.0	57.4	61.1	57.4	55.1	55.7	55.1	51.8	49.4	47.5
Region:																
Northeast	_	64.9	65.9	64.7	71.9	67.6	67.1	65.7	68.3	62.6	64.4	51.5	56.8	54.8	54.2	52.7
Midwest	_	65.4	66.9	68.3	66.1	64.9	67.5	66.1	66.6	66.8	57.4	66.3	61.4	59.8	58.5	50.3
South	_	53.2	55.3	58.4	59.2	60.3	57.5	53.0	56.5	53.7	51.0	48.6	52.1	47.6	46.1	42.0
West	_	52.8	59.4	54.2	56.1	57.7	56.9	52.8	53.8	55.3	56.4	54.4	54.8	52.7	48.5	45.4
Population Density:																
Large MSA	_	62.5	64.2	62.8	65.3	67.7	63.8	63.3	63.1	58.8	56.0	55.1	56.9	52.6	50.1	52.3
Other MSA	_	58.6	62.0	62.4	62.3	62.1	61.9	58.6	59.4	56.6	56.8	55.1	56.4	53.0	51.6	47.3
Non-MSA	_	59.3	60.7	61.7	64.4	60.5	63.0	60.0	63.6	63.7	57.3	56.3	55.4	54.3	52.1	42.4
Parental Education: ^a																
1.0-2.0 (Low)	_	58.5	48.3	54.6	52.9	55.9	54.7	56.8	58.8	51.1	52.2	46.8	55.8	47.1	45.3	42.2
2.5–3.0	_	62.7	64.8	63.6	64.5	66.1	65.4	58.5	59.8	62.4	56.8	54.6	53.6	51.9	52.4	47.5
3.5-4.0	_	58.4	66.0	62.7	67.1	64.4	64.0	63.9	62.3	61.2	57.9	56.0	56.0	51.5	52.2	45.8
4.5–5.0	_	62.6	64.4	64.7	68.4	58.4	60.1	60.0	66.2	61.9	60.5	57.6	59.9	58.2	51.4	49.3
5.5–6.0 (High)	_	64.1	69.3	68.3	63.6	69.3	68.9	68.3	65.9	54.2	55.4	62.5	57.7	57.4	53.2	53.4
Race/Ethnicity (2-year average): b																
White	_	_	63.8	65.2	65.9	66.3	66.3	65.4	64.6	64.6	62.2	59.9	59.6	59.1	57.0	54.1
African American	_	_	38.7	36.4	37.4	38.7	38.8	37.2	39.2	36.9	33.1	32.7	28.6	30.3	32.6	28.4
Hispanic	_		52.7	54.3	52.3	52.5	47.7	47.5	43.4	40.7	46.5	50.9	55.4	49.2	40.4	36.6

TABLE 109 (cont.)

BEER: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

						F	Percentaç	ge who u	sed in la	st 30 day	s					
Approximate weighted N =	<u>1991</u> 15,000	<u>1992</u> 15,800	<u>1993</u> 16,300	<u>1994</u> 15,400	<u>1995</u> 15,400	<u>1996</u> 14,300	<u>1997</u> 15,400	<u>1998</u> 15,200	<u>1999</u> 13,600	2000 12,800	2001 12,800	2002 12,900	2003 14,600	2004 14,600	2005 14,700	2006 14,200
Total	47.2	42.0	43.4	42.6	44.9	46.9	44.4	45.6	42.7	42.7	41.5	39.7	37.8	38.3	38.0	35.5
Gender:																
Male	55.3	50.1	50.0	51.2	53.0	53.5	49.7	55.0	48.2	51.7	50.9	44.3	44.5	44.1	47.3	39.7
Female	39.3	34.6	37.2	35.6	37.4	40.2	39.9	37.0	36.9	33.9	32.1	34.4	31.7	32.1	30.4	31.1
College Plans:																
None or under 4 years	52.4	48.8	48.2	47.1	50.1	46.2	44.6	49.6	47.5	42.4	54.1	45.7	39.4	44.0	45.1	46.2
Complete 4 years	45.2	39.9	41.5	41.6	42.8	47.0	44.4	44.4	41.7	42.4	38.4	37.9	37.2	36.6	36.6	33.4
Region:																
Northeast	49.5	40.8	47.0	43.3	47.0	56.9	47.5	52.6	54.3	48.9	47.2	43.4	41.9	42.6	41.3	42.9
Midwest	53.5	49.1	46.3	48.0	49.7	48.1	43.3	44.6	45.4	47.6	48.1	42.9	43.1	41.4	40.5	35.8
South	41.1	39.5	43.0	40.4	43.8	44.4	43.3	43.2	36.6	35.1	33.6	35.1	32.0	34.2	33.8	34.2
West	46.0	36.7	37.0	38.2	37.8	38.8	44.5	45.5	40.2	43.5	39.9	39.8	36.9	36.1	38.8	31.3
Population Density:																
Large MSA	44.4	42.3	44.0	42.8	45.9	49.1	45.5	42.1	39.9	45.2	38.0	40.5	36.3	34.2	37.9	35.1
Other MSA	47.6	40.3	42.0	39.4	43.7	46.9	45.0	47.6	42.8	40.7	42.6	38.8	38.9	38.9	38.4	37.2
Non-MSA	48.8	45.1	45.3	47.6	46.0	45.3	41.9	45.6	45.4	43.2	43.3	40.5	37.5	41.4	37.1	33.0
Parental Education: ^a																
1.0-2.0 (Low)	48.1	36.6	41.1	37.0	43.1	31.2	30.4	37.0	35.4	37.2	39.1	41.6	30.9	34.1	32.9	27.5
2.5–3.0	46.7	41.4	43.7	44.4	44.0	42.4	41.5	42.8	43.0	37.4	48.0	36.6	36.2	38.0	35.8	38.1
3.5–4.0	48.4	40.7	44.4	42.2	42.8	48.2	46.3	48.9	42.5	45.1	35.8	40.9	39.9	43.0	38.4	35.7
4.5–5.0	46.4	43.8	41.9	41.1	47.1	47.1	47.7	48.9	40.0	43.9	43.6	39.9	38.4	36.1	42.4	35.3
5.5-6.0 (High)	46.1	47.0	47.7	46.6	49.6	58.0	49.9	44.5	51.8	52.0	42.3	45.2	41.4	38.7	37.6	38.4
Race/Ethnicity (2-year average): b																
White	51.6	48.3	46.0	46.5	47.8	50.1	50.7	49.9	47.7	45.8	46.7	45.4	43.1	42.1	42.3	41.8
African American	25.3	24.2	28.0	29.9	25.6	28.4	25.5	22.8	22.3	21.7	20.6	16.9	14.0	15.7	18.0	14.8
Hispanic	40.3	44.7	39.8	40.5	41.7	41.3	39.8	39.0	43.6	45.3	42.6	40.8	37.2	36.7	39.2	35.4

TABLE 109 (cont.)

BEER: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

					Perce	entage w	ho used	in last 30	days					
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2018-2019 <u>change</u>
Approximate weighted N =		14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	<u>change</u>
Total	36.6	33.7	34.9	31.7	29.0	32.2	30.8	28.6	25.4	23.6	25.5	21.8	21.9	+0.1
Gender:														
Male	43.7	40.7	42.2	39.7	35.2	39.1	36.9	33.1	28.9	28.2	32.6	25.0	27.3	+2.3
Female	29.3	27.7	28.7	23.0	22.4	25.6	24.6	24.4	22.4	19.0	19.7	18.5	16.7	-1.8
College Plans:														
None or under 4 years	39.0	43.7	38.5	40.6	35.8	33.9	41.5	31.4	27.1	23.5	30.8	23.5	27.8	+4.3
Complete 4 years	35.7	31.7	34.1	30.2	27.5	31.9	28.4	27.6	25.2	23.4	24.7	21.5	20.9	-0.6
Region:														
Northeast	44.1	39.7	42.6	41.2	30.5	40.7	35.7	32.4	38.1	26.5	30.6	23.7	22.1	-1.6
Midwest	39.2	32.7	37.8	31.8	31.2	31.1	33.6	28.8	22.2	26.3	29.6	22.5	19.8	-2.7
South	34.2	33.4	31.0	29.0	25.5	26.4	28.2	26.5	20.8	20.2	23.5	20.4	22.3	+1.8
West	31.7	31.8	30.5	28.9	31.0	35.1	27.9	28.7	26.7	25.6	21.6	22.0	24.0	+2.0
Population Density:														
Large MSA	40.7	36.9	39.5	31.6	30.9	36.2	30.7	30.0	29.4	20.7	25.0	22.7	21.6	-1.1
Other MSA	32.8	31.5	31.7	33.1	27.9	32.4	32.5	29.0	23.4	24.7	22.5	18.4	20.1	+1.6
Non-MSA	38.2	35.0	36.6	28.3	29.0	26.0	26.9	25.8	23.7	25.4	32.4	27.9	27.3	-0.6
Parental Education: a														
1.0-2.0 (Low)	32.8	28.5	32.2	24.1	28.7	32.1	24.5	26.3	28.2	23.5	11.0	18.0	21.7	+3.7
2.5–3.0	35.2	34.7	30.4	34.8	28.9	30.9	33.7	26.6	26.2	20.6	24.5	21.8	23.3	+1.5
3.5–4.0	36.8	30.9	36.9	31.5	26.2	31.4	33.2	30.5	22.7	23.8	26.9	19.5	19.7	+0.3
4.5–5.0	39.4	33.8	38.9	34.3	32.3	33.6	32.7	25.9	28.3	24.5	28.7	23.6	20.3	-3.3
5.5–6.0 (High)	38.8	43.1	33.7	28.2	29.5	34.7	26.1	39.5	23.2	26.4	33.8	29.1	26.6	-2.5
Race/Ethnicity (2-year average): b														
White	41.0	39.7	37.8	36.4	34.0	33.8	34.5	34.0	31.5	29.1	31.0	30.8	25.8	-5.0 sss
African American	13.6	14.6	19.3	18.9	12.0	12.2	15.2	13.4	11.1	9.7	7.3	6.6	6.2	-0.4
Hispanic	32.7	31.2	31.6	32.1	32.7	35.5	32.9	30.7	29.6	23.8	21.6	20.0	21.5	+1.6

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of five forms in 1976–1988; N is one fifth of N indicated in Table S3. Data based on one of six forms beginning in 1989; N is one sixth of N indicated in Table S3.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 110

BEER: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 8

				Pe	rcentage	reporting	g 5+ drir	nks in a r	ow on o	ne or mo	re occas	ions				
	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	2003	<u>2004</u>	2005	
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	
Total	7.2	7.3	8.2	8.5	8.5	9.2	7.6	8.0	8.3	7.5	8.1	6.1	5.5	6.8	5.8	
Gender:																
Male	9.2	8.9	9.4	10.6	9.8	10.1	9.2	10.0	10.5	8.8	9.4	6.5	5.8	6.4	5.5	
Female	5.2	5.9	7.1	6.7	7.4	8.2	6.0	6.3	6.2	6.3	7.0	5.5	5.1	6.9	6.2	
College Plans:																
None or under 4 years	15.4	18.2	18.4	20.7	17.5	19.7	22.0	21.6	24.8	21.9	25.4	19.0	17.5	19.0	16.7	
Complete 4 years	5.9	5.8	6.9	7.1	7.5	7.6	6.0	6.6	6.2	6.1	6.3	5.0	4.2	5.5	4.9	
Region:																
Northeast	4.8	5.5	5.8	8.1	9.3	10.7	7.6	6.6	9.1	5.7	9.4	3.5	5.6	6.5	3.7	
Midwest	6.9	7.0	7.6	8.8	8.0	9.2	8.4	10.0	9.3	8.9	7.8	5.6	7.0	8.3	4.7	Table continued on next p
South	8.9	9.0	9.4	8.1	8.8	8.4	6.9	8.0	8.9	7.1	7.9	6.7	5.1	6.4	7.4	
West	7.0	6.7	9.2	9.1	8.1	9.2	7.9	7.1	5.3	8.0	7.9	8.4	4.2	6.0	6.0	
Population Density:																
Large MSA	6.6	7.4	6.1	6.9	5.3	8.5	5.6	6.7	6.2	6.0	5.4	5.0	4.2	5.6	4.9	
Other MSA	7.0	7.6	8.2	9.1	8.8	9.3	7.4	6.6	8.6	6.4	8.4	6.0	5.3	6.4	6.0	
Non-MSA	8.4	6.8	10.7	8.4	9.8	9.8	9.6	12.3	10.2	11.5	10.5	7.7	7.3	8.9	6.6	
Parental Education: a																
1.0-2.0 (Low)	12.6	12.5	11.0	11.6	12.5	12.8	9.8	12.6	17.9	14.8	11.5	11.2	9.4	11.9	14.0	
2.5–3.0	7.7	8.9	9.9	9.3	10.2	10.7	10.1	8.0	9.8	10.9	10.0	8.1	7.2	8.8	8.1	
3.5–4.0	7.8	7.0	7.9	9.0	9.8	10.1	8.3	9.0	10.4	6.6	9.1	6.8	6.0	7.9	5.3	
4.5–5.0	5.0	4.5	7.3	6.8	6.1	7.5	5.3	5.9	3.9	5.0	5.1	3.7	3.5	5.3	4.3	
5.5-6.0 (High)	6.2	6.0	6.2	8.4	5.9	6.7	5.7	8.7	6.1	4.3	5.3	4.8	4.1	4.7	2.4	
Race/Ethnicity (2-year average): b																
White	_	7.0	7.6	8.0	8.7	9.2	8.6	7.9	8.3	8.3	7.7	6.7	5.7	6.1	5.9	
African American	_	5.2	5.1	7.2	6.4	4.9	4.4	3.6	4.7	4.9	4.0	3.2	3.0	3.6	3.1	
Hispanic	_	12.7	13.2	12.1	11.6	12.7	12.3	10.5	10.2	9.8	12.3	13.2	10.3	9.1	10.0	

TABLE 110 (cont.)

BEER: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 8

				Percen	tage rep	orting 5+	drinks i	n a row o	on one o	r more o	ccasions	i			
															2018-2019
	<u>2006</u>	2007	2008	2009	<u>2010</u>	<u>2011</u>	2012	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>
Approximate weighted N =	-	16,100		15,000		16,000	15,100		14,600	14,400	16,900	15,300	14,000	13,600	
Total	5.5	5.4	5.1	4.9	4.8	4.3	3.5	3.0	2.5	2.5	2.0	2.6	2.9	2.5	-0.3
Gender:															
Male	5.9	5.5	6.0	5.3	5.2	4.4	3.5	2.8	2.6	2.3	1.9	2.6	3.1	2.2	-1.0
Female	4.9	4.8	4.3	4.1	4.7	4.0	3.6	3.1	2.4	2.6	2.1	2.5	2.7	2.9	+0.2
College Plans:															
None or under 4 years	13.9	15.3	19.2	15.4	16.8	8.4	12.2	7.8	6.7	8.6	4.9	6.4	7.7	7.0	-0.7
Complete 4 years	4.7	4.4	4.1	4.1	3.9	4.0	2.9	2.7	2.2	2.0	1.8	2.1	2.2	1.9	-0.3
Region:															
Northeast	4.1	4.8	5.3	4.6	4.8	2.1	2.1	2.0	1.8	1.9	1.3	0.8	1.9	8.0	-1.1
Midwest	5.9	3.6	4.6	4.4	4.3	4.9	1.5	2.8	2.9	1.9	1.6	2.2	2.9	2.1	-0.7
South	6.3	6.6	6.2	5.8	5.8	4.3	4.1	3.7	2.6	3.1	2.7	3.1	2.8	3.0	+0.2
West	4.9	5.4	3.9	4.2	3.9	5.4	5.8	2.6	2.6	2.3	1.5	3.5	3.8	3.3	-0.5
Population Density:															
Large MSA	4.1	4.5	5.6	4.4	4.4	3.0	3.6	2.3	1.7	2.1	2.2	1.9	2.8	1.5	-1.3 s
Other MSA	5.4	5.2	4.7	4.4	5.0	4.6	3.7	3.4	2.7	2.5	1.6	2.6	3.2	2.6	-0.5
Non-MSA	7.8	6.9	5.2	6.8	5.2	5.5	2.9	2.8	3.3	2.9	2.4	3.6	2.2	3.7	+1.5
Parental Education: a															
1.0-2.0 (Low)	8.9	11.6	11.3	9.5	9.2	7.6	7.7	6.1	4.7	6.2	7.3	3.9	4.8	4.0	-0.7
2.5–3.0	7.1	8.8	8.8	6.8	7.6	5.5	5.1	3.1	3.7	4.3	2.5	2.8	4.7	4.1	-0.6
3.5-4.0	5.4	4.8	5.7	5.1	4.8	5.7	2.7	4.1	2.9	1.8	1.7	2.6	2.8	2.8	0.0
4.5–5.0	4.3	3.4	2.5	4.3	3.4	3.0	2.4	2.2	1.4	1.4	1.4	2.6	1.8	1.8	0.0
5.5-6.0 (High)	4.7	2.1	2.3	2.0	2.5	2.7	1.4	2.1	1.6	0.9	0.9	1.6	1.9	1.8	-0.1
Race/Ethnicity (2-year average): b															
White	5.2	4.9	4.8	5.0	4.8	4.3	3.3	2.9	2.5	1.9	1.8	2.0	2.3	2.5	+0.3
African American	2.7	2.6	2.4	2.0	1.5	2.9	3.0	1.3	1.7	1.6	0.9	1.4	1.9	1.1	-0.8
Hispanic	9.0	9.0	9.0	7.3	7.1	7.0	7.3	5.9	3.6	3.9	4.3	3.4	3.7	4.3	+0.6

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1991–1996; N is one half of N indicated in Table S1. Data based on one of four forms beginning in 1997; N is one third of N indicated in Table S1.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 111

BEER: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 10

				Pe	rcentage	reportin	g 5+ drir	ıks in a r	ow on o	ne or mo	re occas	ions			
	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	2003	2004	2005
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200
Total	16.4	15.1	16.1	17.0	17.1	17.9	17.6	16.0	18.1	17.5	16.3	14.1	13.8	13.6	13.1
Gender:															
Male	21.7	18.9	20.4	23.0	21.1	22.5	21.2	20.7	24.0	22.5	22.2	16.7	18.3	17.1	15.2
Female	11.7	11.7	11.8	11.1	13.1	13.7	14.4	11.8	12.5	12.7	11.2	11.7	9.9	10.4	10.8
College Plans:															
None or under 4 years	25.4	22.8	25.4	26.6	28.2	30.7	31.6	26.1	29.9	26.8	31.2	26.2	22.7	20.5	23.0
Complete 4 years	14.5	13.5	14.2	15.0	15.3	15.8	15.4	14.2	16.2	15.9	14.1	12.2	12.6	12.7	11.8
Region:															
Northeast	19.0	14.6	17.1	18.4	17.4	19.9	17.5	18.8	21.5	16.4	15.2	12.6	16.4	16.9	15.2
Midwest	16.5	16.7	17.3	18.2	18.3	18.8	18.4	16.3	18.3	20.9	16.4	14.9	13.5	10.9	14.6
South	15.4	13.9	14.9	16.9	16.9	17.7	16.6	15.4	17.5	15.7	15.9	13.2	12.4	12.8	10.8
West	15.9	15.5	15.2	13.5	15.5	15.1	18.3	14.0	15.5	16.9	18.3	16.0	14.0	15.0	12.4
Population Density:															
Large MSA	16.0	14.8	15.2	14.5	12.7	16.4	15.9	12.8	18.0	16.9	13.0	12.0	13.0	11.5	10.6
Other MSA	15.8	13.9	13.9	17.0	17.2	17.6	17.6	15.9	17.3	16.3	15.7	13.5	13.1	14.4	13.8
Non-MSA	17.9	17.7	20.9	18.7	19.6	20.1	19.1	19.6	20.1	20.1	21.2	18.1	17.0	14.7	14.6
Parental Education: a															
1.0-2.0 (Low)	21.3	15.6	18.9	19.2	20.3	20.5	18.1	12.8	14.2	16.7	17.9	13.8	19.0	14.1	15.1
2.5–3.0	18.5	16.6	15.3	18.5	19.7	18.8	18.0	19.0	20.5	16.5	15.9	15.8	14.8	17.1	16.3
3.5–4.0	15.0	15.6	16.5	16.7	17.4	18.5	18.9	15.8	17.6	17.9	17.8	14.4	13.7	13.9	13.6
4.5–5.0	15.1	14.0	16.3	16.8	16.0	15.9	16.5	14.9	17.3	19.0	14.3	12.5	13.1	12.0	11.6
5.5-6.0 (High)	15.4	13.1	15.3	14.5	13.8	18.3	16.1	16.2	19.3	16.8	17.5	13.1	11.8	13.7	11.3
Race/Ethnicity (2-year average): ^b															
White	_	16.7	16.4	17.4	18.1	19.0	19.3	18.6	19.7	19.9	18.1	16.5	16.1	15.5	15.1
African American	_	9.8	10.1	9.3	8.7	6.5	6.6	5.5	4.0	6.2	6.8	6.1	4.7	4.1	4.2
Hispanic	_	17.2	16.1	16.8	18.6	19.7	19.5	16.9	14.8	17.5	20.3	17.5	16.2	17.5	16.5

TABLE 111 (cont.)

BEER: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 10

				Percen	tage rep	orting 5+	drinks i	n a row o	on one o	r more o	ccasions				
	0000	0007	0000	0000	0040	0044	0040	0040	0044	0045	0040	0047	0040	0040	2018-2019
	<u>2006</u>	<u>2007</u>	2008	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	change
Approximate weighted N =		16,100						12,900			14,700	13,500	14,300	14,000	
Total	14.5	13.7	10.8	11.3	10.9	10.3	10.4	9.1	8.2	7.4	5.6	6.4	6.8	5.4	-1.4
Gender:															
Male	16.3	16.5	12.8	13.6	14.0	12.7	12.9	10.8	9.9	8.6	6.2	7.1	9.4	6.8	-2.6 s
Female	12.3	10.7	9.2	9.1	8.0	7.7	8.1	7.1	6.6	6.2	4.9	5.9	4.4	4.2	-0.2
College Plans:															
None or under 4 years	26.1	26.4	21.2	24.3	23.9	20.0	18.3	15.2	18.3	16.4	11.3	13.7	11.2	6.5	-4.7 s
Complete 4 years	12.8	12.3	9.6	10.0	9.4	9.3	9.7	8.4	7.0	6.5	5.0	5.6	6.2	5.3	-0.9
Region:															
Northeast	17.7	14.7	12.0	12.1	10.3	12.2	12.7	8.8	9.0	8.7	6.1	7.0	8.2	5.5	-2.7
Midwest	14.8	14.2	11.2	11.0	10.9	8.0	9.9	6.4	6.2	6.4	5.2	4.5	5.3	5.9	+0.5
South	12.7	12.5	11.3	11.6	10.7	11.2	11.1	12.0	9.0	8.0	4.8	7.2	8.2	5.4	-2.8
West	13.7	13.9	9.0	10.4	11.8	10.1	8.0	8.4	8.3	6.5	6.7	6.9	5.1	4.9	-0.2
Population Density:															
Large MSA	13.3	12.7	10.2	10.4	10.6	9.5	11.4	7.5	7.2	6.8	6.6	6.4	7.0	4.9	-2.1
Other MSA	15.3	12.5	10.9	11.5	10.5	10.6	9.4	9.3	8.1	7.1	4.5	6.6	6.1	5.3	-0.8
Non-MSA	14.1	17.8	11.7	12.2	12.3	10.6	11.1	10.8	10.1	9.6	6.8	6.1	8.2	6.5	-1.7
Parental Education: a															
1.0–2.0 (Low)	16.4	19.2	15.1	17.0	19.0	16.0	17.5	13.5	10.9	10.3	5.1	10.2	10.2	6.8	-3.4
2.5–3.0	17.8	18.1	13.2	13.7	11.7	12.1	11.2	10.8	11.1	8.4	7.1	8.1	5.5	6.7	+1.3
3.5–4.0	14.5	13.9	10.9	12.6	11.4	10.5	9.3	9.3	8.8	8.7	5.6	6.4	6.1	5.9	-0.3
4.5–5.0	12.3	11.0	9.5	8.4	8.9	9.2	10.2	7.7	6.0	6.6	5.7	4.8	6.4	2.6	-3.8 ss
5.5-6.0 (High)	14.3	10.6	7.6	9.6	7.9	7.6	10.2	7.6	7.2	6.0	4.6	5.5	7.1	7.4	+0.3
Race/Ethnicity (2-year average): b															
White	15.8	15.7	13.7	12.2	11.4	10.7	11.0	10.1	9.4	8.8	7.2	6.6	7.6	7.0	-0.6
African American	3.8	3.7	3.7	4.0	4.4	4.2	3.1	3.1	3.0	3.2	2.8	1.9	1.1	0.9	-0.2
Hispanic	16.0	16.6	15.7	14.7	17.2	17.1	14.3	12.6	8.9	7.3	7.2	8.0	8.8	7.9	-0.9

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1991–1996; N is one half of N indicated in Table S2. Data based on one of four forms beginning in 1997; N is one third of N indicated in Table S2.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 112

BEER: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 12

	Percentage reporting 5+ drinks in a row on one or more occasions															
	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	1982	1983	1984	<u>1985</u>	<u>1986</u>	<u>1987</u>	1988	<u>1989</u>	<u>1990</u>
Approximate weighted N =	_	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200
Total	_	33.0	35.1	35.4	36.4	36.6	38.0	37.6	38.1	36.2	32.0	33.1	33.8	31.0	31.3	27.0
Gender:																
Male	_	45.6	49.0	49.8	50.6	51.1	49.4	48.5	49.8	47.7	42.6	45.4	45.4	41.5	39.5	37.1
Female	_	21.4	23.5	22.6	24.2	23.9	26.5	27.3	27.4	25.0	22.4	22.4	23.1	22.2	23.8	16.5
College Plans:																
None or under 4 years	_	37.7	39.2	41.6	39.5	43.5	42.8	42.1	43.1	41.2	35.5	36.1	37.8	36.9	37.7	29.0
Complete 4 years	_	27.8	31.0	29.4	33.3	30.9	34.2	34.2	34.3	33.6	29.8	30.8	31.7	28.4	28.5	26.0
Region:																
Northeast	_	39.0	35.3	36.5	41.9	41.4	42.1	40.0	37.9	39.8	35.5	32.6	32.1	32.7	32.1	27.4
Midwest	_	35.8	37.6	39.9	39.0	42.3	43.6	45.3	45.1	43.7	34.2	40.8	41.3	38.5	38.2	31.4
South	_	26.6	33.9	31.8	34.0	30.5	33.9	31.7	35.1	31.5	26.6	29.4	30.7	25.7	27.5	23.8
West	_	31.0	31.6	32.0	28.3	31.1	28.5	28.1	31.3	29.4	33.8	27.5	29.8	28.5	27.4	25.1
Population Density:																
Large MSA	_	32.8	34.4	34.4	35.0	40.9	38.9	36.2	37.4	34.5	31.2	33.9	32.3	29.6	27.3	32.0
Other MSA	_	33.9	35.4	35.7	36.3	33.9	37.7	36.6	36.6	33.2	30.2	31.5	34.5	30.9	32.3	26.9
Non-MSA	_	32.1	35.2	35.7	37.6	37.0	37.6	39.8	40.6	41.4	35.1	35.0	33.9	32.6	32.9	22.6
Parental Education: ^a																
1.0-2.0 (Low)	_	30.7	31.9	33.6	32.8	31.1	32.3	35.0	38.4	26.8	27.4	28.5	32.9	31.3	26.9	28.1
2.5–3.0	_	37.5	36.4	37.8	38.0	38.8	42.9	37.5	37.4	39.2	33.6	34.2	34.3	31.0	32.2	26.7
3.5-4.0	_	32.9	34.8	34.4	36.5	37.6	39.2	41.6	39.1	37.1	32.1	32.9	34.9	29.4	32.8	24.9
4.5–5.0	_	33.9	34.1	36.2	38.2	36.0	31.7	35.3	39.1	39.9	35.9	34.4	34.7	32.8	31.2	27.7
5.5-6.0 (High)	_	27.2	38.0	28.7	35.5	37.6	38.5	38.9	36.5	30.2	27.4	33.8	29.7	31.4	26.5	32.3
Race/Ethnicity (2-year average): b																
White	_	_	35.5	36.8	37.6	38.5	40.1	40.9	40.8	40.0	37.1	35.3	35.8	35.2	34.4	32.5
African American	_	_	18.8	19.5	19.4	17.7	16.4	16.9	18.1	18.9	15.5	13.2	13.6	16.1	18.5	13.5
Hispanic			34.4	33.5	31.5	32.7	30.8	27.6	27 9	27 4	24 6	29.4	32.8	27.5	22.0	20.6

TABLE 112 (cont.)

BEER: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 12

	Percentage reporting 5+ drinks in a row on one or more occasions															
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Approximate weighted N =	15,000	15,800	16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200
Total	28.5	25.4	25.5	24.6	27.6	29.2	26.7	28.5	25.6	27.5	26.7	26.1	21.4	23.7	22.4	21.4
Gender:																
Male	37.0	34.0	34.2	35.7	36.5	38.7	32.9	39.3	34.7	38.2	35.9	33.7	31.1	32.1	30.9	26.9
Female	20.1	17.6	18.1	15.5	19.5	19.2	21.2	19.5	17.0	17.6	18.0	18.2	12.9	15.6	15.3	16.2
College Plans:																
None or under 4 years	35.1	32.8	30.2	29.6	32.7	29.4	29.0	39.7	29.5	31.0	40.5	37.0	24.9	32.0	28.9	31.5
Complete 4 years	26.0	23.3	23.8	23.4	25.4	28.8	26.2	25.1	24.7	26.0	23.3	22.9	20.3	21.5	21.1	19.0
Region:																
Northeast	27.8	25.7	28.5	23.4	30.5	35.4	32.0	34.2	33.0	32.7	26.5	28.6	27.1	26.1	25.8	25.9
Midwest	34.7	32.5	27.6	28.3	30.2	29.9	25.7	31.4	28.9	32.4	33.9	28.9	24.8	26.2	26.2	22.1
South	24.2	22.9	25.2	24.8	27.2	27.5	24.1	25.5	21.3	20.0	19.7	22.4	16.8	21.8	20.2	20.6
West	27.3	18.4	20.8	19.7	21.8	24.6	27.6	25.6	22.8	29.4	27.9	26.3	19.2	20.9	18.0	18.1
Population Density:																
Large MSA	24.7	26.0	23.8	23.6	26.9	32.4	26.2	24.4	21.3	29.8	23.4	25.7	18.9	20.9	21.4	21.2
Other MSA	28.8	24.2	24.8	22.6	26.7	29.3	27.9	30.3	26.8	26.1	26.7	25.2	22.9	22.9	23.7	21.2
Non-MSA	31.0	27.2	28.1	28.7	30.0	26.6	25.0	29.5	28.1	27.4	30.2	28.1	21.7	28.2	21.0	22.1
Parental Education: ^a																
1.0-2.0 (Low)	34.9	23.4	27.3	23.7	28.9	23.8	18.7	23.5	22.1	16.8	28.2	32.0	20.1	18.5	17.0	19.3
2.5–3.0	29.2	26.6	26.1	25.3	27.6	25.0	26.0	26.5	27.7	24.3	31.9	24.5	22.9	27.0	21.3	23.2
3.5-4.0	29.4	25.2	26.6	24.2	25.6	29.3	28.3	31.9	26.5	29.1	21.4	27.4	20.5	26.3	23.0	23.9
4.5–5.0	26.2	23.9	24.1	24.1	27.6	28.1	29.1	29.3	24.2	28.7	28.7	24.4	23.3	20.9	25.5	19.6
5.5-6.0 (High)	25.7	26.9	26.1	26.0	32.2	41.0	28.3	27.6	24.3	35.1	28.0	27.3	19.0	20.2	21.8	19.3
Race/Ethnicity (2-year average): b																
White	30.6	29.6	27.6	27.3	29.0	31.3	31.4	31.3	30.0	28.8	31.0	30.2	26.4	25.3	26.1	25.8
African American	10.2	13.1	15.5	15.4	12.6	14.6	13.3	11.7	10.6	9.9	9.1	7.6	6.1	9.3	11.2	7.1
Hispanic	23.8	27.2	24.8	24.9	23.8	26.1	26.0	24.4	27.5	29.0	27.1	24.7	21.6	20.0	19.7	19.8

TABLE 112 (cont.)

BEER: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 12

	Percentage reporting 5+ drinks in a row on one or more occasions													
Approximate weighted N =	2007 14,500	2008 14,000	2009 13,700	2010 14,400	2011 14,100	2012 13,700	2013 12,600	2014 12,400	2015 12,900	2016 11,800	2017 12,600	2018 13,300	<u>2019</u> 12,900	2018-2019 <u>change</u>
Total	22.0	20.9	20.8	19.5	16.8	18.8	17.3	16.8	13.6	11.5	14.7	11.2	11.5	+0.4
Gender:														
Male	27.7	27.7	28.0	26.3	24.2	25.1	23.3	22.3	17.5	14.7	20.5	14.4	15.8	+1.4
Female	16.1	15.1	14.3	12.4	10.2	12.3	11.8	11.7	10.0	7.6	9.8	8.1	7.6	-0.5
College Plans:														
None or under 4 years	24.2	30.9	26.7	25.9	21.1	21.3	25.6	18.7	16.6	13.3	21.7	16.5	19.9	+3.4
Complete 4 years	21.2	18.7	19.5	18.3	16.0	18.0	15.3	16.0	12.9	10.7	13.1	9.6	9.9	+0.3
Region:														
Northeast	29.5	23.7	26.0	25.2	17.7	24.9	20.9	18.9	20.0	15.0	19.8	12.1	12.2	+0.1
Midwest	24.3	21.0	23.6	23.3	21.5	18.6	19.8	14.4	13.7	12.7	19.0	10.8	9.9	-0.9
South	18.8	21.1	16.7	16.6	14.2	16.1	15.6	17.1	10.4	9.0	13.3	11.1	12.4	+1.3
West	18.6	18.7	18.8	16.0	15.1	18.5	14.2	16.7	14.0	12.7	9.9	11.0	11.4	+0.3
Population Density:														
Large MSA	25.1	22.7	21.0	17.8	17.7	22.4	17.3	17.4	14.8	11.5	14.0	12.4	11.5	-0.9
Other MSA	19.0	18.8	19.4	21.4	15.6	18.3	16.9	15.8	13.2	10.6	12.9	9.0	8.9	-0.2
Non-MSA	23.3	23.4	23.6	17.3	18.3	14.6	18.0	18.2	12.6	13.7	19.6	13.9	18.7	+4.8
Parental Education: ^a														
1.0-2.0 (Low)	21.5	14.0	21.8	12.3	15.8	22.5	15.4	19.6	12.5	15.1	7.7	11.7	11.3	-0.4
2.5–3.0	23.1	20.4	17.6	22.3	16.9	19.7	18.4	14.2	15.3	9.6	13.7	10.6	10.9	+0.3
3.5-4.0	21.1	19.8	21.2	19.9	16.1	18.9	19.2	19.3	10.6	10.2	15.9	9.3	11.6	+2.3
4.5–5.0	24.2	21.1	23.6	20.9	18.7	18.1	18.5	15.1	16.2	11.7	16.7	13.3	11.1	-2.2
5.5-6.0 (High)	21.0	27.6	19.6	15.8	15.6	15.9	12.1	17.0	12.6	13.6	17.2	11.3	12.2	+0.8
Race/Ethnicity (2-year average): b														
White	25.8	25.3	23.6	23.0	21.4	19.7	19.6	20.2	18.1	14.8	16.7	17.2	13.6	-3.6 ss
African American	5.0	5.7	8.2	6.1	4.8	5.3	5.9	7.7	6.8	4.3	3.1	3.7	3.4	-0.3
Hispanic	19.8	17.5	19.4	20.6	18.6	22.9	22.1	16.6	17.7	15.0	11.8	11.2	11.7	+0.5

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of five forms in 1976–1988; N is one fifth of N indicated in Table S3. Data based on one of six forms beginning in 1989; N is one sixth of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 113
LIQUOR: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

Percentage who used in last 30 days 1976 1980 1985 1988 1990 1975 1977 <u>1978</u> 1979 1982 1983 <u>1984</u> <u>1986</u> <u> 1987</u> <u> 1989</u> Approximate weighted N = 17,100 17,800 15,500 15,900 17,500 17,700 16,300 15,900 16,000 15,200 16,300 16,300 16,700 15,200 47.3 Total 44.1 45.0 48.2 47.9 44.6 45.2 46.4 42.3 40.0 41.0 39.0 35.6 35.7 30.8 Gender: 48.5 Male 44.4 44.7 48.9 48.8 45.3 45.2 48.8 43.3 40.3 43.7 42.8 38.5 39.6 36.9 Female 43.8 45.3 47.6 46.6 47.4 44.3 45.1 43.7 40.8 39.5 38.6 35.4 33.6 32.1 24.6 College Plans: None or under 4 years 44.6 47.8 49.3 46.1 51.4 46.9 47.5 47.4 44.6 41.0 38.9 39.4 36.8 38.1 30.6 Complete 4 years 43.8 42.5 47.7 48.5 45.1 43.0 43.6 45.3 40.6 39.6 41.8 39.0 35.0 35.0 30.4 Region: Northeast 52.5 47.4 47.8 56.7 53.2 49.5 50.8 50.8 46.4 42.1 37.2 43.3 36.1 40.3 34.5 Midwest 47.0 49.7 53.7 45.4 46.5 47.2 49.1 50.5 45.6 40.1 49.8 42.2 42.2 40.5 31.0 South 37.6 39.8 46.0 43.6 48.5 38.8 38.7 43.3 38.5 37.1 35.9 34.6 30.4 33.0 29.6 39.6 West 38.3 41.3 42.0 45.0 42.9 43.2 40.0 38.4 39.6 42.1 37.4 35.0 30.0 28.5 Population Density: Large MSA 47.3 45.4 49.3 52.0 51.7 44.4 48.5 48.1 40.8 37.7 41.2 39.9 36.0 36.4 33.8 Other MSA 44.7 46.0 48.3 47.1 48.4 45.9 45.6 45.5 40.9 39.3 39.9 40.5 36.3 33.5 31.1 Non-MSA 41.4 43.3 47.2 44.1 44.8 43.2 42.1 46.1 45.1 42.6 42.4 35.5 34.0 40.3 27.7 Parental Education: a 1.0-2.0 (Low) 40.8 38.2 37.3 38.2 43.1 40.3 41.6 33.1 36.2 36.1 32.2 33.5 32.1 25.7 44.2 2.5 - 3.046.7 45.9 49.8 46.6 47.8 43.5 44.8 44.7 46.3 37.9 38.1 36.0 34.6 32.1 29.5 3.5-4.0 47.3 51.9 51.7 47.5 46.6 48.0 46.5 42.0 39.2 42.3 38.2 33.1 38.3 31.6 44.7 4.5-5.0 47.9 45.6 49.1 51.7 48.7 40.7 43.6 50.0 44.9 48.0 43.9 43.4 38.7 36.9 34.2 5.5-6.0 (High) 46.6 53.4 54.2 49.3 53.4 53.8 54.2 55.2 40.4 40.9 47.4 45.7 39.4 37.7 33.8 Race/Ethnicity (2-year average): b White 49.5 50.1 48.9 48.2 49.0 43.5 39.8 37.7 47.5 50.3 47.3 44.1 43.4 41.1 African American 21.2 19.9 23.3 27.5 25.1 21.5 25.3 23.7 18.5 17.4 15.0 16.0 16.8 14.4 Hispanic 47.7 48.8 43.3 47.2 45.6 41.2 35.6 35.4 42.1 40.4 36.9 31.6 24.6 21.0

TABLE 113 (cont.)

LIQUOR: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 30 days															
Approximate weighted N =	<u>1991</u> 15.000	<u>1992</u> 15,800	<u>1993</u> 16,300	<u>1994</u> 15,400	<u>1995</u> 15,400	<u>1996</u> 14,300	<u>1997</u> 15,400	<u>1998</u> 15,200	<u>1999</u> 13.600	2000 12,800	2001 12,800	2002 12,900	2003 14,600	2004 14,600	2005 14,700	2006 14,200
Total	31.3	28.6	31.4	28.0	34.3	34.7	34.6	37.3	34.3	36.0	35.1	36.0	34.3	35.6	36.4	34.2
Gender:																
Male	34.9	32.0	36.4	32.8	38.2	36.4	36.3	41.2	38.0	41.7	35.6	37.9	36.1	39.3	38.4	33.7
Female	28.0	25.9	27.3	23.2	30.9	32.6	33.4	33.3	30.0	30.7	33.7	33.8	32.9	32.2	34.9	33.9
College Plans:																
None or under 4 years	37.0	31.9	37.3	28.3	36.8	35.8	34.2	38.3	35.0	38.1	40.4	42.5	36.9	40.3	42.6	39.7
Complete 4 years	29.0	27.4	29.9	28.1	33.4	34.1	34.9	36.6	33.9	35.0	33.6	34.2	33.6	34.3	35.5	33.0
Region:																
Northeast	36.6	25.8	32.4	25.9	37.7	40.9	36.6	46.3	39.8	40.9	40.8	41.4	35.8	41.1	41.9	40.0
Midwest	33.5	33.5	32.1	29.0	35.4	36.2	35.2	36.6	33.7	40.5	37.4	39.6	37.4	35.4	39.3	35.2
South	28.1	27.1	34.7	28.1	34.9	33.6	32.9	33.9	32.1	28.3	31.7	32.9	30.7	33.3	33.7	32.5
West	29.0	26.3	24.0	28.2	28.7	27.8	35.1	37.2	34.5	38.5	33.3	31.8	35.4	33.8	32.3	30.9
Population Density:																
Large MSA	30.4	29.8	32.2	30.3	33.3	30.6	36.0	37.2	34.5	41.1	36.0	37.5	32.4	30.1	36.2	34.4
Other MSA	33.1	27.4	30.4	26.5	34.9	38.0	34.6	38.9	34.9	33.8	35.4	37.0	35.6	37.7	37.8	36.3
Non-MSA	29.1	30.0	32.7	28.1	34.3	32.4	33.4	33.9	33.3	34.0	33.9	32.3	34.3	37.4	34.2	30.2
Parental Education: a																
1.0-2.0 (Low)	29.7	25.4	29.1	23.6	26.8	24.7	27.7	33.5	35.3	30.8	28.2	29.4	27.6	29.5	30.9	30.2
2.5–3.0	32.6	29.9	29.4	28.2	34.8	37.5	31.8	33.5	33.7	28.7	36.3	33.5	35.2	34.0	33.0	36.7
3.5–4.0	33.6	29.0	34.1	25.8	32.4	34.7	36.4	40.6	32.7	40.0	35.4	37.3	35.7	38.2	33.8	34.7
4.5–5.0	27.4	25.9	32.2	29.3	35.7	30.1	35.8	38.2	33.4	35.2	38.3	38.2	36.5	36.4	43.3	33.8
5.5-6.0 (High)	33.5	33.1	29.9	32.0	41.1	42.1	40.4	38.3	40.8	47.8	34.5	38.8	33.0	36.6	38.4	35.9
Race/Ethnicity (2-year average): ^b																
White	35.0	32.9	32.5	32.6	34.1	37.2	38.5	39.5	37.6	37.2	38.8	38.9	37.8	37.8	39.8	39.5
African American	14.1	15.1	17.5	17.1	17.9	24.9	20.4	17.6	21.5	22.2	22.1	22.0	23.0	23.7	25.3	23.0
Hispanic	23.2	29.2	28.9	26.3	27.4	29.4	28.1	31.7	36.6	36.3	36.0	36.3	33.3	29.6	30.2	28.4

TABLE 113 (cont.)

LIQUOR: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 30 days													
Approximate weighted N =	2007 14,500	2008 14,000	2009 13,700	2010 14,400	2011 14,100	2012 13,700	2013 12,600	2014 12,400	2015 12,900	2016 11,800	2017 12,600	2018 13,300	2019 12,900	2018-2019 <u>change</u>
Total	34.1	32.4	33.2	29.8	29.8	31.2	31.0	28.1	26.1	25.1	26.8	21.8	22.4	+0.6
Gender:														
Male	36.2	33.8	35.2	31.9	31.1	32.3	31.8	29.2	26.0	25.6	26.7	20.0	22.2	+2.2
Female	31.4	30.7	30.9	27.3	28.6	30.4	29.8	27.6	26.3	24.1	27.2	23.3	22.3	-1.0
College Plans:														
None or under 4 years	37.5	38.0	40.6	34.9	29.5	30.0	33.6	25.3	27.8	20.5	29.3	21.4	27.1	+5.7
Complete 4 years	33.5	31.4	31.7	28.8	29.7	31.3	30.4	28.5	26.0	26.1	26.8	22.0	21.7	-0.3
Region:														
Northeast	41.2	37.1	37.7	38.5	38.0	41.8	33.4	29.7	35.9	29.6	28.7	24.4	21.4	-3.0
Midwest	38.1	33.4	34.7	31.1	30.4	27.9	32.5	30.9	23.6	26.3	30.1	22.3	23.5	+1.2
South	30.6	32.2	32.1	26.4	26.8	28.2	27.7	25.4	22.6	21.8	25.1	20.6	22.0	+1.3
West	29.8	28.7	29.3	27.6	28.2	31.7	32.1	28.8	26.9	27.0	25.2	21.6	23.0	+1.4
Population Density:														
Large MSA	37.4	37.1	38.7	30.1	34.3	36.5	35.7	29.9	26.8	25.7	28.3	21.1	24.0	+2.9
Other MSA	31.7	29.2	30.9	31.9	29.2	32.4	30.8	29.0	25.9	24.8	23.7	22.0	20.3	-1.6
Non-MSA	34.1	34.1	31.7	24.2	24.7	20.7	24.9	23.7	25.8	24.9	30.7	22.8	25.4	+2.6
Parental Education: ^a														
1.0-2.0 (Low)	27.1	33.3	32.5	22.5	28.7	28.8	24.7	21.7	27.3	24.3	10.8	16.8	16.6	-0.2
2.5–3.0	33.7	30.8	28.1	33.3	28.9	31.7	29.9	28.9	24.4	22.2	27.9	19.1	22.7	+3.7
3.5–4.0	33.2	33.1	33.9	29.3	29.8	32.4	34.6	29.1	23.4	24.4	28.1	22.9	23.3	+0.5
4.5–5.0	37.3	30.3	36.8	30.5	29.5	31.9	34.2	28.1	28.9	29.9	30.0	25.0	22.0	-3.0
5.5-6.0 (High)	39.4	37.5	35.9	28.7	35.3	30.3	26.6	32.5	28.6	24.5	34.5	27.5	27.2	-0.3
Race/Ethnicity (2-year average): b)													
White	37.5	35.2	33.8	33.0	31.9	32.5	32.5	32.2	30.4	28.2	30.3	29.6	25.8	-3.8 s
African American	21.6	23.7	29.4	27.4	22.8	26.7	27.1	21.6	19.2	17.6	16.3	15.3	15.0	-0.4
Hispanic	27.5	29.3	30.5	30.5	30.9	30.9	30.6	29.1	26.4	25.4	22.6	18.7	17.9	-0.9

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of five forms in 1976–1988; N is one fifth of N indicated in Table S3. Data based on one of six forms beginning in 1989; N is one sixth of N indicated in Table S3.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 114

LIQUOR: Trends in 2-Week Prevalence of <u>5 or More Drinks in a Row</u> by Subgroups in <u>Grade 12</u>

	Percentage reporting 5+ drinks in a row on one or more occasions															
	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	1982	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>
Approximate weighted N =	_	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200
Total	_	19.8	19.9	22.0	22.8	23.0	21.3	23.8	22.0	21.3	19.6	21.4	20.5	18.2	20.0	16.8
Gender:																
Male	_	23.3	21.1	24.4	26.3	26.1	23.0	25.8	26.4	24.6	20.9	24.7	25.0	20.3	24.5	20.7
Female	_	16.1	18.5	19.6	19.8	20.2	19.7	21.9	17.8	18.2	18.2	18.6	16.2	16.6	15.7	12.8
College Plans:																
None or under 4 years	_	23.8	23.4	26.7	24.2	26.5	26.4	26.9	25.7	24.7	22.0	24.0	24.5	20.7	23.7	17.3
Complete 4 years	_	15.8	16.8	17.9	21.5	19.7	18.0	21.8	19.2	19.2	18.4	19.9	18.6	17.2	18.6	16.4
Region:																
Northeast	_	24.9	20.2	21.8	28.8	27.2	25.0	26.1	24.7	24.9	23.8	20.1	22.3	17.4	23.7	18.0
Midwest	_	22.1	23.3	24.0	23.0	23.7	22.9	27.5	24.0	24.1	19.3	25.9	21.9	23.1	21.4	17.7
South	_	16.0	16.4	22.5	20.6	22.1	18.0	19.6	20.7	20.2	17.0	19.1	18.7	15.2	18.6	15.4
West	_	14.8	19.2	16.2	18.5	18.2	19.2	20.1	17.0	15.3	19.8	19.6	19.6	17.2	17.5	16.5
Population Density:																
Large MSA	_	20.3	18.3	20.5	22.6	22.8	22.6	26.1	24.3	21.1	18.7	21.7	20.3	16.8	18.4	17.9
Other MSA	_	19.9	21.8	21.4	23.4	23.9	20.7	22.2	21.8	20.1	19.6	19.7	20.8	19.8	19.1	16.4
Non-MSA	_	19.4	18.8	23.8	22.3	22.1	21.2	24.1	20.5	23.0	20.2	23.9	20.2	16.6	23.7	16.8
Parental Education: ^a																
1.0–2.0 (Low)	_	22.0	18.1	20.9	19.1	22.0	24.3	21.0	21.5	21.0	19.6	19.0	20.6	19.9	17.6	18.0
2.5–3.0	_	22.8	20.4	23.7	23.6	23.9	21.3	24.7	23.6	25.5	20.4	24.2	21.2	21.6	18.1	16.4
3.5-4.0	_	17.4	21.5	22.0	22.9	20.5	24.9	25.2	19.9	19.7	18.1	20.1	18.1	15.7	23.2	15.0
4.5–5.0	_	18.0	16.7	18.6	24.7	24.8	14.7	21.3	22.6	20.0	20.2	20.4	21.8	16.7	20.9	18.5
5.5-6.0 (High)	_	14.0	24.9	22.5	23.2	23.6	19.5	28.1	20.4	17.5	20.6	22.0	22.2	16.4	16.3	19.4
Race/Ethnicity (2-year average): b																
White	_	_	20.5	22.1	23.6	24.1	23.3	24.2	24.5	23.0	22.0	22.0	22.6	21.3	21.0	20.7
African American	_	_	10.5	7.7	8.4	11.1	10.6	8.6	10.9	11.2	8.0	7.5	6.2	7.2	10.4	9.6
Hispanic	_	_	25.5	26.8	25.9	22.9	25.3	26.7	24.5	21.4	20.9	20.8	21.9	19.0	14.6	11.9

TABLE 114 (cont.)

LIQUOR: Trends in 2-Week Prevalence of <u>5 or More Drinks in a Row</u> by Subgroups in <u>Grade 12</u>

	Percentage reporting 5+ drinks in a row on one or more occasions															
Approximate weighted N =	<u>1991</u> 15,000	<u>1992</u> 15,800	<u>1993</u> 16,300	<u>1994</u> 15,400	<u>1995</u> 15,400	<u>1996</u> 14,300	<u>1997</u> 15,400	<u>1998</u> 15,200	<u>1999</u> 13,600	2000 12,800	2001 12,800	2002 12,900	2003 14,600	2004 14,600	2005 14,700	2006 14,200
Total	17.4	16.0	18.2	17.1	20.2	21.6	21.1	23.6	22.3	23.8	22.7	25.6	21.1	23.8	25.0	23.3
Gender:																
Male	20.5	20.0	24.6	22.4	24.7	24.6	23.9	27.3	27.6	30.8	26.4	27.2	24.1	29.2	28.5	24.7
Female	14.4	12.6	13.2	12.6	16.2	17.7	18.7	20.0	16.1	17.4	18.8	23.6	18.9	18.2	22.0	22.0
College Plans:																
None or under 4 years	21.7	21.4	24.6	19.1	22.5	21.1	23.4	31.2	23.2	26.4	29.2	31.9	23.0	29.2	32.6	27.1
Complete 4 years	15.8	14.1	16.5	16.6	19.2	21.4	20.6	21.7	21.9	22.9	20.7	23.7	20.5	22.1	23.7	22.6
Region:																
Northeast	21.3	14.8	15.1	14.2	19.2	25.4	24.6	29.8	25.5	24.7	27.9	27.8	23.5	28.2	28.7	29.0
Midwest	19.0	19.0	18.9	17.7	21.5	22.0	20.6	23.6	19.9	29.7	21.5	28.1	24.8	23.4	28.3	26.2
South	15.3	15.5	21.7	17.6	21.8	21.9	20.0	21.7	21.7	17.4	20.4	24.3	17.4	21.6	22.8	20.5
West	15.2	13.7	13.6	18.0	16.4	16.3	20.5	22.3	23.6	26.1	24.3	22.7	20.7	23.4	21.2	19.8
Population Density:																
Large MSA	16.4	15.6	16.8	16.1	19.3	19.5	23.0	23.9	21.4	26.6	23.6	25.8	20.0	20.7	25.3	22.6
Other MSA	17.5	15.2	17.3	16.3	20.3	24.9	21.3	25.1	22.8	21.7	22.2	26.3	21.9	24.6	26.2	25.0
Non-MSA	18.1	17.9	20.7	19.5	21.1	17.7	18.7	20.3	22.2	24.1	22.6	24.0	21.2	25.5	22.5	21.0
Parental Education: ^a																
1.0–2.0 (Low)	19.9	15.9	20.7	14.4	15.2	14.7	16.7	23.9	25.5	24.4	15.2	18.4	17.9	17.8	18.5	19.1
2.5–3.0	18.1	17.9	18.3	18.5	19.7	22.1	18.3	21.3	20.7	17.8	25.4	24.2	24.2	25.9	22.1	22.7
3.5–4.0	18.6	15.9	19.7	16.2	20.7	20.4	23.3	25.4	23.6	25.8	21.8	24.4	21.1	26.2	23.5	26.1
4.5–5.0	16.4	13.5	17.4	17.7	21.6	18.0	22.2	24.3	20.6	24.5	24.9	29.0	21.0	22.2	29.8	24.5
5.5–6.0 (High)	13.3	16.5	16.0	18.8	22.0	31.3	23.5	23.0	22.8	30.4	22.4	31.0	21.0	20.3	28.7	20.3
Race/Ethnicity (2-year average): ^b																
White	19.0	18.0	18.7	19.4	20.4	22.3	23.4	24.7	24.4	24.3	25.3	26.3	25.4	24.6	26.9	27.5
African American	6.8	7.1	8.9	9.5	11.3	15.4	12.5	9.9	10.4	10.2	12.8	14.6	14.9	15.8	17.2	14.9
Hispanic	13.4	19.4	18 1	16.8	18 1	18.9	20.0	22.2	24.3	25.2	24 0	24 0	21 1	18.9	20.6	18.4

TABLE 114 (cont.)

LIQUOR: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 12

	Percentage reporting 5+ drinks in a row on one or more occasions													
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2018-2019 <u>change</u>
Approximate weighted N =	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	change
Total	22.9	22.1	21.5	20.3	18.3	22.1	21.0	18.2	16.7	14.6	18.8	12.9	14.6	+1.7
Gender:														
Male	24.4	24.0	23.3	23.6	20.4	24.3	22.5	21.0	17.7	14.9	19.2	12.0	14.7	+2.7
Female	21.5	20.3	19.3	15.9	16.0	19.8	19.2	15.6	15.7	13.8	18.2	13.9	14.4	+0.5
College Plans:														
None or under 4 years	26.5	29.3	28.5	28.9	21.5	23.0	26.5	19.0	21.1	12.4	22.1	15.6	18.5	+2.9
Complete 4 years	22.1	20.5	19.9	18.6	17.7	21.4	19.8	17.9	15.9	14.9	18.3	12.4	14.1	+1.7
Region:														
Northeast	31.2	23.2	27.6	23.9	24.3	29.3	22.0	19.5	24.7	17.7	20.4	12.9	12.6	-0.2
Midwest	26.7	23.4	23.7	21.4	19.7	21.8	23.5	19.8	16.4	15.7	23.8	14.1	15.2	+1.1
South	19.0	21.2	18.7	19.2	15.4	19.7	18.8	15.9	13.9	12.6	16.5	12.1	15.0	+3.0
West	19.0	21.3	17.3	18.2	17.6	20.9	20.9	19.4	16.0	15.3	16.6	13.1	14.7	+1.6
Population Density:														
Large MSA	26.0	24.0	21.9	22.3	22.4	26.7	24.4	18.5	18.0	15.4	19.0	11.7	13.2	+1.6
Other MSA	21.4	20.3	21.8	20.8	17.7	21.4	19.9	18.8	16.4	14.2	16.6	13.5	13.7	+0.2
Non-MSA	21.6	23.8	20.1	16.2	14.0	16.8	19.2	16.5	15.6	14.6	22.8	13.7	19.6	+6.0
Parental Education: a														
1.0-2.0 (Low)	18.8	16.9	23.8	15.7	17.3	17.3	20.6	11.5	15.2	17.4	6.4	12.1	9.2	-2.9
2.5–3.0	22.0	20.1	17.8	25.5	16.5	24.2	18.0	17.3	16.3	12.9	22.2	11.8	15.9	+4.1
3.5-4.0	24.3	22.8	22.1	19.0	18.9	21.4	25.5	19.7	14.6	13.2	20.2	11.4	16.0	+4.6
4.5–5.0	24.1	22.0	24.5	20.5	20.5	24.1	23.0	18.3	19.4	17.1	18.7	16.3	13.5	-2.7
5.5-6.0 (High)	24.1	25.5	20.0	18.3	18.1	19.8	15.8	24.0	16.6	13.7	22.7	14.5	17.0	+2.5
Race/Ethnicity (2-year average): b														
White	25.8	23.9	22.3	21.7	20.9	21.5	22.7	22.2	19.5	16.7	19.1	19.4	16.6	-2.8 s
African American	13.7	17.1	21.7	18.8	12.3	13.8	16.8	13.6	11.7	10.5	9.1	8.6	9.2	+0.6
Hispanic	17.6	19.1	20.5	21.0	21.6	22.5	21.6	17.5	17.4	16.2	14.2	13.2	10.6	-2.6

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of five forms in 1976–1988; N is one fifth of N indicated in Table S3. Data based on one of six forms beginning in 1989; N is one sixth of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 115
WINE: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

	Percentage who used in last 30 days															
Approximate weighted N =	<u>1975</u>	<u>1976</u> 15,400	<u>1977</u> 17,100	<u>1978</u> 17,800	<u>1979</u> 15,500	<u>1980</u> 15,900	<u>1981</u> 17,500	<u>1982</u> 17,700	<u>1983</u> 16,300	<u>1984</u> 15,900	<u>1985</u> 16,000	<u>1986</u> 15,200	<u>1987</u> 16,300	1988 ^a 16,300	<u>1989</u> 16,700	<u>1990</u> 15,200
Total	_	34.5	37.4	37.7	36.6	39.5	36.6	37.8	36.0	34.1	36.0	34.5	33.5	22.7	19.7	14.7
Gender:																
Male	_	34.1	35.5	34.8	33.9	38.1	35.3	35.6	33.8	30.3	34.2	30.8	29.3	20.7	18.9	16.1
Female	_	34.5	39.1	40.2	39.0	41.1	38.2	39.9	37.7	38.1	37.4	38.1	37.1	24.3	20.4	13.5
College Plans:																
None or under 4 years	_	31.5	33.1	33.8	33.8	37.1	32.8	36.3	34.5	33.7	34.6	31.5	28.2	19.7	18.6	11.9
Complete 4 years	_	38.0	41.4	41.5	38.5	41.0	39.1	39.5	37.2	34.0	37.3	36.2	35.7	24.0	20.5	16.0
Region:																
Northeast	_	45.2	42.6	47.5	45.3	48.0	51.6	51.4	46.0	41.5	43.9	32.0	35.6	27.7	22.1	15.0
Midwest	_	33.8	36.3	40.8	33.8	36.6	38.5	38.9	36.0	34.3	34.1	41.0	34.0	23.0	23.7	13.4
South	_	27.5	34.2	30.2	30.8	34.8	26.3	27.7	30.9	29.5	30.7	28.1	31.7	18.9	17.4	14.5
West	_	34.0	38.1	32.7	40.8	42.4	31.6	32.5	32.4	34.7	38.4	38.1	33.8	24.5	16.0	16.9
Population Density:																
Large MSA	_	46.6	47.0	45.6	44.2	46.9	46.0	46.3	45.0	36.7	40.7	36.6	35.3	27.6	20.6	15.3
Other MSA	_	33.0	36.5	36.8	36.0	42.1	34.6	36.6	32.4	34.0	36.4	36.0	34.9	22.0	20.5	16.8
Non-MSA	_	28.0	31.4	32.8	31.9	31.0	32.4	32.8	33.8	32.3	31.7	30.7	29.2	19.3	16.7	9.9
Parental Education: b																
1.0-2.0 (Low)	_	33.4	30.1	32.3	31.4	28.0	28.0	30.2	26.6	28.3	28.6	28.0	23.9	16.4	19.0	9.5
2.5–3.0	_	33.8	32.8	35.3	33.0	38.0	33.2	33.8	35.3	34.0	32.4	31.3	30.7	17.8	15.6	12.4
3.5-4.0	_	36.9	42.0	40.2	38.2	39.6	37.2	42.0	32.9	35.9	36.9	37.1	31.5	23.4	18.8	14.2
4.5–5.0	_	39.6	42.5	40.8	43.6	45.2	41.5	43.4	46.1	37.1	43.1	36.3	39.7	26.5	24.1	18.9
5.5-6.0 (High)	_	48.4	57.3	49.8	46.7	51.7	52.9	47.5	43.2	33.9	42.6	40.1	40.9	31.4	23.5	19.3
Race/Ethnicity (2-year average): c																
White	_	_	35.9	38.1	38.1	39.2	40.2	39.6	38.4	36.5	36.7	37.1	35.7	29.9	23.0	18.6
African American	_	_	36.2	30.8	27.4	27.9	24.9	26.0	28.9	24.4	21.3	21.0	21.8	18.4	15.0	11.2
Hispanic	_	_	42.9	38.5	30.0	31.0	27.3	26.8	28.3	30.9	37.0	37.4	33.0	22.2	15.0	14.2

TABLE 115 (cont.)

WINE: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

Percentage who used in last 30 days 1991 1992 1993 1994 1995 1996 1997 1999 2000 2001 2002 2003 2004 2005 2006 1998 Approximate weighted N = 15,000 15,800 16,300 15,400 15,400 14,300 15,400 15,200 13,600 12,800 12,800 12,900 14,600 14,600 14,700 14,200 17.0 15.8 13.9 12.6 Total 16.1 16.9 14.9 14.2 14.3 18.3 16.0 16.2 14.1 13.4 13.4 14.4 Gender: Male 16.9 17.2 15.9 13.8 13.2 18.1 16.7 17.4 17.6 17.7 12.8 13.2 13.9 13.8 13.8 11.6 Female 15.5 16.6 13.9 14.3 15.3 18.2 17.3 15.0 14.4 15.0 15.5 13.2 13.5 14.1 15.1 13.6 College Plans: None or under 4 years 16.1 12.6 16.5 11.7 10.6 14.5 14.2 19.0 11.9 12.0 15.9 11.7 13.8 12.7 14.4 13.9 13.7 Complete 4 years 16.4 18.4 14.4 14.8 15.3 19.3 18.0 15.3 16.8 17.1 13.3 13.5 14.5 14.3 11.9 Region: Northeast 22.1 18.5 15.2 15.9 14.2 23.4 19.4 18.7 23.5 20.8 19.2 17.3 12.5 18.2 15.2 13.9 Midwest 17.3 21.9 14.0 14.3 14.3 13.1 14.2 17.7 16.2 11.9 13.5 14.9 13.5 13.0 15.3 13.9 South 11.8 11.0 16.7 13.0 15.9 20.0 17.7 13.8 14.6 17.2 13.9 12.7 14.0 12.6 13.4 12.1 West 16.2 18.3 13.0 15.0 11.6 16.8 17.1 15.9 11.2 15.9 11.3 9.8 13.5 12.8 14.1 10.7 Population Density: Large MSA 13.9 17.0 20.0 16.8 14.8 19.5 18.2 19.5 17.4 20.4 16.7 17.2 11.1 12.5 16.9 15.0 Other MSA 17.8 19.0 15.0 14.4 15.1 18.6 18.2 15.9 16.5 14.6 11.5 11.8 15.0 15.4 14.0 12.8 Non-MSA 15.1 12.6 11.3 11.3 12.4 16.6 13.6 12.3 13.3 14.2 15.6 11.9 13.5 12.8 12.2 8.9 Parental Education: b 1.0-2.0 (Low) 10.8 11.7 14.3 9.8 13.5 9.7 13.1 14.6 16.7 19.7 12.3 14.8 9.4 12.8 10.9 4.0 2.5-3.0 16.0 13.9 12.1 13.6 10.2 15.2 13.8 10.2 10.5 10.4 13.6 8.6 13.1 10.9 13.4 10.6 3.5-4.0 16.4 15.4 14.3 11.7 10.5 17.9 15.7 15.1 11.5 14.6 10.2 13.1 13.1 15.6 12.2 11.4 4.5-5.0 17.5 19.2 17.7 14.6 18.1 18.0 18.0 20.8 19.6 16.2 19.1 15.4 15.5 14.1 16.8 15.5 5.5-6.0 (High) 19.4 27.1 16.5 23.8 24.9 27.2 29.1 20.0 29.8 29.1 16.7 19.0 15.8 18.3 18.2 18.4 Race/Ethnicity (2-year average): c White 16.6 17.4 16.2 14.4 14.4 16.8 19.3 18.1 16.6 16.4 15.9 15.2 14.5 14.7 15.5 15.6 African American 10.2 11.7 14.5 17.6 13.6 12.8 11.1 9.9 9.3 9.5 10.9 8.5 8.0 7.9 7.8 6.1 Hispanic 10.9 14.9 14.3 14.2 15.0 13.8 13.5 13.4 16.4 17.9 12.9 9.4 12.2 13.5 13.1 10.5

TABLE 115 (cont.)
WINE: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

					Perce	entage w	ho used	in last 30	days					
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2018-2019 <u>change</u>
Approximate weighted N =		14.000	13,700	14.400	14,100	13,700	12,600	12,400	12,900	11.800	12,600	13.300	12,900	<u>change</u>
Total	14.1	14.0	11.5	9.3	10.2	10.6	11.5	11.5	8.4	9.5	10.8	9.7	10.3	+0.6
Gender:														
Male	12.1	13.4	12.0	8.7	9.2	8.8	10.2	10.7	5.5	6.8	8.7	5.9	8.0	+2.1
Female	15.3	14.4	10.9	10.2	11.0	12.5	12.7	12.6	10.2	11.6	12.7	13.6	12.0	-1.5
College Plans:														
None or under 4 years	13.1	17.3	10.3	10.6	8.3	5.6	8.9	12.9	8.0	7.5	9.7	4.9	7.8	+2.9
Complete 4 years	14.4	13.4	11.6	9.0	10.6	11.9	12.1	11.1	8.7	9.6	11.2	11.2	11.0	-0.2
Region:														
Northeast	17.6	17.0	17.6	13.4	12.2	13.2	11.2	13.5	13.9	11.8	15.5	15.6	11.4	-4.1
Midwest	14.1	13.9	14.6	12.3	8.8	10.4	12.4	12.4	10.4	8.6	12.0	9.3	8.7	-0.6
South	13.9	13.3	7.6	6.8	10.0	9.3	10.5	10.9	6.3	8.6	9.2	10.2	11.7	+1.5
West	11.5	13.3	8.2	7.3	10.8	10.7	12.0	10.0	5.9	10.2	9.3	5.5	8.1	+2.6
Population Density:														
Large MSA	16.7	18.8	12.6	9.6	11.1	16.0	12.9	13.6	9.7	9.5	11.3	9.8	9.6	-0.2
Other MSA	13.5	13.0	12.3	10.3	11.0	9.4	10.3	11.5	7.6	8.2	11.2	8.7	10.2	+1.6
Non-MSA	11.3	11.0	8.3	6.6	7.4	5.6	12.2	8.7	7.9	12.4	9.4	11.7	11.5	-0.2
Parental Education: b														
1.0-2.0 (Low)	9.9	11.3	9.1	5.7	9.0	8.9	5.6	6.6	6.3	4.9	3.1	5.9	3.2	-2.7
2.5–3.0	9.0	11.9	8.8	9.5	5.8	9.0	10.5	7.9	7.2	7.0	9.3	6.7	5.4	-1.3
3.5–4.0	15.3	13.3	10.2	7.5	11.2	11.1	12.0	11.5	7.8	10.4	10.4	9.0	11.1	+2.1
4.5–5.0	16.4	13.7	13.6	12.3	8.8	11.6	14.9	10.8	9.4	10.6	11.7	12.1	12.0	-0.1
5.5-6.0 (High)	19.9	17.2	17.9	10.0	17.3	12.4	11.4	25.5	12.4	10.9	19.8	16.7	16.8	+0.1
Race/Ethnicity (2-year average): °														
White	15.4	14.3	12.8	11.5	10.8	11.5	12.2	13.0	12.1	10.6	11.8	13.3	12.7	-0.7
African American	6.5	11.2	11.6	7.6	8.8	10.4	10.5	7.7	5.4	6.7	6.6	4.5	7.3	+2.8
Hispanic	11.0	15.7	14.2	9.4	8.2	9.4	7.8	6.6	6.5	6.6	7.4	6.9	6.4	-0.6

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of five forms in 1976–1988; N is one fifth of N i ndicated in Table S3. Data based on one of six forms beginning in 1989; N is one sixth of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

aln the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 116
WINE: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 12

					Percen	itage rep	orting 5+	drinks in	a row o	n one or	more occ	casions				
Approximate weighted N =	<u>1975</u>	<u>1976</u> 15.400	<u>1977</u> 17.100	<u>1978</u> 17.800	<u>1979</u> 15.500	<u>1980</u> 15.900	<u>1981</u> 17.500	<u>1982</u> 17.700	<u>1983</u> 16.300	<u>1984</u> 15.900	<u>1985</u> 16.000	<u>1986</u> 15,200	<u>1987</u> 16.300	1988 ^a	<u>1989</u> 16.700	<u>1990</u> 15.200
Total	_	12.5	13.1	13.5	12.9	13.2	13.0	14.9	14.3	13.0	12.8	13.8	12.7	7.8	6.8	4.9
Gender:		12.0	10.1	10.0	12.5	10.2	10.0	14.5	14.0	10.0	12.0	10.0	12.7	7.0	0.0	4.0
Male	_	14.5	13.9	14.3	13.9	13.3	12.2	12.6	14.4	12.6	12.9	12.4	12.3	7.8	6.1	5.5
Female	_	10.4	12.1	12.8	12.0	12.8	13.5	16.8	13.9	13.1	12.5	14.6	12.8	7.7	7.3	4.3
College Plans:				.2.0	.2.0	.2.0	10.0	10.0			.2.0		.2.0			
None or under 4 years	_	14.1	14.6	14.6	14.8	15.3	13.2	16.1	15.7	14.4	13.9	14.6	13.7	9.5	9.0	5.1
Complete 4 years	_	10.4	11.6	12.7	11.4	11.3	12.6	13.9	13.2	11.9	11.9	13.3	12.0	7.1	6.0	4.9
Region:																
Northeast	_	14.8	14.8	15.0	16.4	18.2	17.9	18.3	19.1	16.9	15.7	11.5	10.7	8.1	7.4	3.6
Midwest	_	13.8	12.9	15.4	12.6	12.2	13.9	16.0	13.6	14.1	12.3	17.2	13.5	7.8	6.9	3.9
South	_	10.1	11.8	11.7	11.8	11.6	10.0	12.4	12.5	11.0	10.9	12.9	13.1	6.8	6.7	5.4
West	_	10.8	13.4	10.9	10.4	11.6	9.8	12.0	13.1	10.9	13.3	12.2	13.2	9.5	6.3	7.0
Population Density:																
Large MSA	_	17.0	14.9	14.7	14.3	14.9	16.8	17.9	17.1	14.1	14.0	13.5	11.0	9.7	6.1	4.4
Other MSA	_	11.4	13.0	12.5	11.8	13.2	11.6	13.3	12.6	12.4	13.7	13.8	13.6	7.8	8.0	4.9
Non-MSA	_	10.7	11.8	14.0	13.1	12.0	11.8	14.7	14.4	13.0	10.6	13.9	12.9	6.0	4.8	5.2
Parental Education: b																
1.0–2.0 (Low)	_	14.0	16.4	14.9	12.7	10.2	13.7	15.7	12.1	12.8	11.9	14.7	12.2	8.2	8.3	4.6
2.5–3.0	_	13.4	12.0	13.7	12.4	15.4	13.1	12.1	16.8	14.6	12.1	13.6	13.0	7.2	6.2	5.4
3.5–4.0	_	11.7	14.0	12.2	10.3	13.0	13.4	16.7	12.4	15.0	13.1	14.9	12.1	7.5	6.3	5.4
4.5–5.0	_	12.4	9.4	12.9	16.5	12.7	11.2	14.9	14.4	10.2	13.4	12.2	13.3	7.7	8.0	4.3
5.5-6.0 (High)	_	14.4	15.4	15.0	16.5	12.0	14.2	21.2	12.5	7.7	14.5	12.9	12.3	9.5	5.0	4.4
Race/Ethnicity (2-year average): °																
White	_	_	12.0	13.1	13.4	13.1	13.4	14.4	14.8	13.8	13.3	13.6	13.4	10.4	7.5	6.0
African American	_	_	16.7	12.6	10.8	10.4	9.0	10.0	11.4	10.1	8.3	8.3	7.6	8.3	7.8	4.7
Hispanic	_	_	19.3	14.7	9.7	9.5	15.3	15.1	15.8	14.3	13.4	16.1	14.7	8.4	5.1	6.4

TABLE 116 (cont.)

WINE: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 12

Percentage reporting 5+ drinks in a row on one or more occasions 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 14,300 12,800 12,800 14,600 14,200 Approximate weighted N = 15,000 15,800 16,300 15,400 15,400 15,400 15,200 13,600 12,900 14,600 14,700 Total 5.7 7.0 5.9 4.7 4.9 5.4 4.4 5.8 5.8 4.9 5.8 6.4 6.4 5.0 5.4 5.0 Gender: Male 4.9 7.1 6.5 7.2 4.9 6.1 8.3 6.9 6.9 6.5 7.3 5.8 4.6 5.7 6.2 5.1 Female 4.6 4.5 4.4 4.9 5.6 5.7 6.1 5.8 3.8 3.6 5.3 4.1 4.3 3.5 5.6 4.1 College Plans: None or under 4 years 8.0 6.7 8.3 4.0 6.1 5.7 8.7 9.6 5.0 4.2 7.8 6.4 7.0 5.2 7.1 6.0 7.2 5.2 4.1 4.0 Complete 4 years 5.3 5.4 5.1 5.3 5.4 5.7 5.5 5.1 5.6 4.5 4.8 4.8 Region: 7.1 Northeast 4.5 3.4 4.2 5.9 10.2 6.6 8.0 5.4 5.9 8.3 5.3 4.1 4.6 5.2 5.6 7.2 Midwest 5.6 4.6 4.6 6.3 5.7 5.5 6.4 6.4 5.3 4.5 4.6 5.5 5.1 6.1 5.0 South 5.1 4.1 8.2 4.7 6.9 6.7 7.2 5.7 5.0 5.2 5.8 3.9 5.4 4.9 5.1 3.6 West 6.0 7.1 5.3 6.5 3.0 6.1 6.3 6.5 3.2 5.5 6.1 5.8 4.5 4.9 5.3 4.1 Population Density: Large MSA 5.3 6.1 5.4 4.7 5.6 9.6 7.3 6.6 5.3 6.7 5.5 5.4 4.1 5.3 5.8 5.3 Other MSA 5.8 6.4 3.2 3.9 6.5 6.8 6.2 5.4 7.0 6.6 4.2 5.4 5.4 5.0 4.6 5.3 Non-MSA 4.9 5.1 4.5 3.2 6.6 4.9 5.6 5.8 6.2 3.9 7.0 6.7 5.9 5.0 5.2 4.1 Parental Education: b 1.0-2.0 (Low) 5.7 8.0 12.4 4.9 6.1 4.2 5.2 10.7 8.2 11.3 8.0 8.2 6.8 6.4 5.6 4.3 2.5-3.0 6.8 4.8 5.3 3.8 5.6 6.5 6.8 6.0 3.5 3.7 5.6 4.6 6.6 4.4 5.3 2.8 3.5-4.0 6.5 4.1 4.3 5.5 4.2 7.1 4.8 5.7 4.1 5.3 4.7 4.5 4.6 6.5 4.6 3.6 4.5-5.0 4.9 6.1 6.0 3.7 5.6 4.4 8.1 7.6 4.7 4.8 7.2 4.4 4.1 4.1 4.7 5.2 5.5-6.0 (High) 3.5 8.3 4.4 8.4 11.1 13.0 8.2 4.5 8.8 6.5 5.5 4.4 4.2 4.2 8.1 7.3 Race/Ethnicity (2-year average): c White 5.3 5.5 5.0 4.8 5.2 6.2 6.9 6.5 5.4 4.7 4.8 4.9 5.0 4.9 5.1 5.2 African American 5.1 5.1 7.6 7.5 4.0 4.9 5.1 5.3 4.5 5.2 6.5 5.0 4.3 3.5 2.3 1.7 Hispanic 4.3 7.5 7.8 7.2 7.3 7.6 7.6 7.1 7.8 7.8 7.8 4.7 3.5 5.2 5.0 3.9

TABLE 116 (cont.)

WINE: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 12

			Pe	rcentage	reportin	g 5+ drin	ıks in a ro	ow on on	e or more	e occasio	ons			
Approximate weighted N =	2007 14,500	2008 14,000	2009 13,700	2010 14,400	2011 14,100	2012 13,700	2013 12,600	2014 12,400	2015 12,900	<u>2016</u> 11,800	2017 12,600	2018 13,300	<u>2019</u> 12,900	2018-2019 change
Total	5.1	5.0	4.0	3.7	3.5	3.9	4.0	4.9	4.5	3.6	4.4	3.6	3.6	0.0
Gender:														
Male	4.7	4.8	3.6	3.5	4.0	3.3	4.4	4.5	2.9	2.8	3.5	2.1	2.6	+0.5
Female	5.6	5.1	4.3	3.7	2.9	4.1	4.2	5.4	5.7	3.8	4.9	5.0	4.5	-0.6
College Plans:														
None or under 4 years	5.4	7.7	3.4	4.6	3.8	1.6	3.7	7.5	4.1	3.1	4.2	2.3	2.9	+0.6
Complete 4 years	5.1	4.3	3.9	3.3	3.5	4.4	3.7	4.1	4.7	3.3	4.4	4.0	3.7	-0.2
Region:														
Northeast	8.3	4.2	5.8	5.7	4.8	5.7	4.7	5.8	5.6	5.4	8.2	4.6	4.2	-0.4
Midwest	4.9	6.2	5.1	4.3	2.2	4.0	3.9	6.2	5.5	4.2	4.5	3.5	3.0	-0.4
South	4.4	4.7	2.7	2.7	4.1	3.4	3.9	4.5	4.6	2.8	3.5	4.6	4.0	-0.6
West	4.1	4.8	3.0	3.0	3.3	3.3	3.8	3.7	2.6	3.2	3.3	1.6	2.8	+1.3
Population Density:														
Large MSA	6.4	4.2	3.9	3.6	3.8	5.2	4.4	5.2	6.3	3.8	4.3	4.6	2.7	-1.9
Other MSA	5.3	5.4	4.2	4.2	4.0	3.5	3.2	4.8	3.4	2.6	5.1	2.4	4.0	+1.6
Non-MSA	2.9	5.2	3.8	2.4	2.1	3.0	5.4	4.8	4.1	5.7	3.2	4.4	3.9	-0.5
Parental Education: ^b														
1.0-2.0 (Low)	2.3	5.1	4.3	2.4	2.5	2.1	2.2	3.6	4.2	4.3	1.5	4.0	0.7	-3.3
2.5–3.0	3.1	5.2	3.5	3.4	3.0	4.1	5.7	3.1	5.4	2.8	5.2	2.0	1.4	-0.7
3.5–4.0	6.5	5.2	3.6	3.2	3.3	3.3	5.4	6.6	4.2	4.6	4.1	2.3	4.7	+2.4
4.5–5.0	5.3	3.9	5.3	4.5	3.6	5.2	3.6	3.7	3.4	2.9	4.4	4.8	3.6	-1.1
5.5–6.0 (High)	7.5	4.5	3.8	3.7	5.4	3.6	1.8	7.8	7.1	3.5	6.8	5.6	5.2	-0.4
Race/Ethnicity (2-year average): °														
White	5.2	4.9	4.1	4.1	4.0	3.6	3.7	5.1	5.8	4.4	4.6	4.8	4.0	-0.8
African American	2.6	3.8	4.5	4.3	3.6	4.0	4.4	4.1	2.9	3.7	3.1	1.5	3.2	+1.7
Hispanic	4.4	5.6	5.2	3.3	2.6	4.3	3.7	2.6	4.2	3.8	2.8	3.4	2.9	-0.5

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of five forms in 1976–1988; N is one fifth of N

indicated in Table S3. Data based on one of six forms beginning in 1989; N is one sixth of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

aln the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 117
WINE COOLERS: Trends in 30-Day Prevalence of Use by Subgroups in Grade 8

					Р	ercentag	je who us	sed in las	st 30 day	3				
	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	2003	2004– 2019
Approximate weighted N =		18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	_
Total	14.8	15.1	16.1	15.9	15.3	17.5	15.9	15.6	16.5	14.8	15.3	12.9	12.4	_
Gender:														
Male	14.7	13.8	16.2	15.8	14.6	16.1	14.5	15.4	16.7	13.4	14.2	11.9	10.2	_
Female	14.6	16.2	16.0	16.2	15.6	18.7	16.9	15.8	16.3	15.9	15.9	13.3	14.3	_
College Plans:														
None or under 4 years	21.2	23.9	30.6	28.1	25.3	28.7	32.1	27.3	31.9	28.5	31.6	21.1	24.2	_
Complete 4 years	13.7	14.0	14.3	14.5	14.1	15.7	14.0	14.3	14.7	13.3	13.4	12.2	11.1	_
Region:														
Northeast	9.8	11.5	12.7	15.8	15.0	17.7	14.5	15.7	15.4	13.5	17.7	11.8	10.9	_
Midwest	14.5	14.6	15.7	15.0	13.9	18.5	16.1	16.2	17.6	17.0	14.8	12.1	15.5	_
South	17.4	18.1	17.8	16.7	17.0	17.5	16.6	16.2	18.6	14.6	16.8	15.0	12.7	_
West	14.8	14.2	17.3	15.9	13.9	16.0	15.3	14.0	12.7	13.3	11.4	11.3	8.9	_
Population Density:														
Large MSA	14.1	16.4	12.7	14.4	11.1	16.5	14.1	14.0	14.0	12.9	12.3	12.1	10.4	_
Other MSA	14.6	15.4	17.4	17.8	16.1	18.2	15.7	15.4	16.8	14.5	15.4	12.7	12.3	_
Non-MSA	15.8	13.4	17.3	13.2	15.8	17.3	17.9	17.6	18.9	17.5	18.3	14.4	14.7	_
Parental Education: a														
1.0-2.0 (Low)	19.3	18.7	18.5	21.1	20.4	21.7	22.2	20.7	30.2	22.1	25.1	22.8	18.2	_
2.5-3.0	16.9	16.6	19.9	17.7	17.6	20.2	19.2	17.8	19.7	18.1	19.7	14.3	15.4	_
3.5-4.0	12.9	16.8	17.2	18.4	15.7	18.4	16.8	16.6	17.5	14.3	19.6	15.7	15.8	_
4.5–5.0	13.9	11.8	13.5	12.0	12.5	15.4	11.9	13.6	13.1	11.8	9.0	9.8	8.1	_
5.5–6.0 (High)	13.5	12.5	11.9	14.7	13.2	13.8	13.5	14.2	11.4	12.1	8.2	9.0	8.7	_
Race/Ethnicity (2-year average): b														
White	_	14.4	15.1	15.1	14.9	16.4	16.5	15.4	16.0	15.9	15.0	14.0	12.6	_
African American	_	13.7	13.3	14.4	12.7	12.2	14.7	12.8	12.8	13.1	12.0	9.8	9.6	_
Hispanic	_	21.9	23.2	23.4	24.4	22.9	21.3	21.2	22.4	21.1	18.5	18.9	18.8	

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1991–1996; N is one half of N indicated in Table S1. Data based on one of four forms beginning in 1997; N is one third of N indicated in Table S1. The category of wine coolers was dropped from the 8th- and 10th-grade questionnaires in 2004 to make space for a more general class of flavored alcoholic beverages.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 118 WINE COOLERS: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

					Р	ercentag	e who u	sed in las	t 30 day	S				
Associated and M	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	2004– 2019
Approximate weighted N = Total	14,800 24.0	14,800 21.5	15,300 22.5	15,800 21.8	17,000 20.8	15,600 22.8	15,500 22.1	15,000 20.9	13,600 22.1	14,300 21.2	14,000 20.8	14,300 18.9	15,800 17.2	_
Gender:	24.0	21.5	22.5	21.0	20.0	22.0	22.1	20.9	22.1	21.2	20.0	10.9	17.2	_
Male	23.9	19.8	20.5	21.9	19.4	21.8	20.6	19.0	20.5	19.6	19.8	16.0	14.8	_
Female	24.1	22.9	24.3	21.6	21.9	23.6	23.4	22.0	23.4	22.6	21.7	21.6	19.5	_
College Plans:	24.1	22.5	24.0	21.0	21.5	20.0	20.4	22.0	20.4	22.0	21.7	21.0	10.0	
None or under 4 years	31.1	26.7	27.6	28.4	28.9	33.0	28.4	29.3	33.4	32.6	31.6	30.2	23.8	_
Complete 4 years	22.5	20.5	21.4	20.4	19.4	21.0	21.1	19.3	20.3	19.5	19.1	17.2	16.2	_
Region:														
Northeast	23.2	19.0	24.1	21.6	18.5	20.3	21.0	19.1	21.7	18.8	21.5	18.1	18.7	_
Midwest	23.0	20.2	20.4	21.6	20.6	21.9	20.9	19.1	21.1	20.6	20.2	19.2	15.3	_
South	26.0	23.3	23.6	23.0	22.9	25.0	23.4	22.5	24.0	23.3	21.4	17.7	16.9	_
West	23.0	22.7	23.0	20.2	19.2	22.3	22.4	22.0	20.3	20.7	19.6	21.5	18.2	_
Population Density:														
Large MSA	23.1	21.6	21.5	21.2	16.4	19.3	20.2	16.9	23.1	19.8	19.9	17.4	17.0	_
Other MSA	23.8	22.3	22.4	22.6	20.7	23.7	22.2	21.9	21.3	19.7	19.7	18.7	16.4	_
Non-MSA	25.1	20.0	23.6	20.4	23.7	24.6	23.8	23.2	22.6	25.6	23.7	21.2	19.5	_
Parental Education: a														
1.0–2.0 (Low)	25.9	24.4	27.4	24.4	27.7	25.4	21.1	22.6	26.3	23.8	22.2	20.3	23.4	_
2.5–3.0	26.8	21.3	22.3	22.4	23.8	25.5	24.3	25.4	25.1	24.2	22.7	22.5	19.8	_
3.5–4.0	24.8	22.5	22.5	22.3	22.1	23.7	23.6	22.0	22.3	23.6	22.2	19.1	17.5	_
4.5–5.0	21.8	20.6	21.9	21.4	19.1	19.9	21.2	15.6	17.5	19.4	17.7	18.2	15.4	_
5.5–6.0 (High)	20.7	20.5	20.2	17.8	14.5	21.3	18.5	18.5	21.2	14.2	20.3	13.7	13.3	_
Race/Ethnicity (2-year average): b														
White	_	23.0	21.9	22.1	21.2	21.7	22.6	21.7	21.6	21.9	21.2	20.3	18.1	_
African American	_	19.9	19.3	20.6	20.0	16.6	16.1	17.6	17.0	18.1	18.3	15.3	15.2	_
Hispanic	_	26.3	26.2	24.7	24.9	28.1	28.0	24.1	24.5	25.2	24.5	22.3	21.7	

Notes.

Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. ' — ' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1991–1996; N is one half of N indicated in Table S2. Data based on one of four forms beginning in 1997; N is one third of N indicated in Table S2. The category of wine coolers was dropped from the 8th- and 10th-grade questionnaires in 2004 to make space for a more general class of flavored alcoholic beverages.

Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 119
WINE COOLERS: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

						Р	ercentag	je who u	sed in las	st 30 day	S					
	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	1983	1984	<u>1985</u>	<u>1986</u>	1987	<u>1988</u>	1989	<u>1990</u>
Approximate weighted N =	_	_	_	_	_	_	_	_	_	_	_	_	_	16,300	16,700	15,200
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	36.6	29.4	26.2
Gender:																
Male	_	_	_	_	_	_	_	_	_	_	_	_	_	30.8	25.5	22.7
Female	_	_	_	_	_	_	_	_	_	_	_	_	_	41.5	33.6	29.8
College Plans:																
None or under 4 years	_	_	_	_	_	_	_	_	_	_	_	_	_	38.2	30.9	29.2
Complete 4 years	_	_	_	_	_	_	_	_	_	_	_	_	_	35.9	28.6	24.9
Region:																
Northeast	_	_	_	_	_	_	_	_	_	_	_	_	_	33.8	29.6	29.2
Midwest	_	_	_	_	_	_	_	_	_	_	_	_	_	37.9	33.0	28.6
South	_	_	_	_	_	_	_	_	_	_	_	_	_	33.6	25.7	22.9
West	_	_	_	_	_	_	_	_	_	_	_	_	_	42.7	31.3	24.7
Population Density:																
Large MSA	_	_	_	_	_	_	_	_	_	_	_	_	_	37.7	28.6	25.9
Other MSA	_	_	_	_	_	_	_	_	_	_	_	_	_	37.1	31.1	28.7
Non-MSA	_	_	_	_	_	_	_	_	_	_	_	_	_	34.6	26.4	21.1
Parental Education: a																
1.0-2.0 (Low)	_	_	_	_	_	_	_	_	_	_	_	_	_	28.8	27.7	22.9
2.5–3.0	_	_	_	_	_	_	_	_	_	_	_	_	_	37.8	31.9	28.1
3.5–4.0	_	_	_	_	_	_	_	_	_	_	_	_	_	38.5	31.2	27.1
4.5–5.0	_	_	_	_	_	_	_	_	_	_	_	_	_	35.6	27.6	27.6
5.5–6.0 (High)	_	_	_	_	_	_	_	_	_	_	_	_	_	36.9	23.5	21.5
Race/Ethnicity (2-year average): b																
White	_	_	_	_	_	_	_	_	_	_	_	_	_	_	35.4	29.6
African American	_	_	_	_	_	_	_	_	_	_	_	_	_	_	25.3	21.7
Hispanic	_	_	_	_	_	_	_	_	_	_	_	_	_	_	30.2	23.3

TABLE 119 (cont.)

WINE COOLERS: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

						F	Percentag	je who u	sed in la	st 30 day	s					
	<u>1991</u>	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Approximate weighted N =	15,000	15,800	16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200
Total	24.3	21.9	19.4	22.2	20.6	20.7	20.7	20.1	18.4	17.6	19.0	19.3	14.6	14.4	14.1	13.3
Gender:																
Male	22.1	19.1	15.1	16.9	15.5	17.7	15.9	15.0	15.6	15.6	14.1	12.0	9.4	11.2	8.7	9.2
Female	26.3	24.3	22.8	26.4	25.1	23.6	24.4	23.5	20.6	19.5	22.2	24.2	18.9	17.2	18.7	17.1
College Plans:																
None or under 4 years	29.3	21.9	20.5	22.8	22.7	20.0	17.8	21.8	22.8	21.2	23.1	21.8	17.2	16.7	18.6	17.5
Complete 4 years	22.8	22.0	19.2	22.3	19.8	20.9	21.6	19.6	17.3	16.1	17.7	18.8	14.0	13.7	13.2	12.3
Region:																
Northeast	21.0	19.6	18.9	15.4	14.6	21.1	17.2	20.8	22.1	19.1	18.4	17.8	15.9	14.7	17.3	13.3
Midwest	26.1	23.7	19.4	26.0	19.8	20.9	21.5	18.6	19.2	18.3	19.5	20.9	15.5	11.0	13.7	13.2
South	23.1	21.3	20.6	23.4	24.1	23.2	22.9	20.6	18.7	16.8	19.7	20.6	13.9	16.7	13.5	14.6
West	26.3	22.2	17.8	19.8	20.4	14.9	18.9	20.4	13.7	16.7	17.5	16.6	13.1	14.6	12.7	10.9
Population Density:																
Large MSA	20.9	21.2	20.4	21.2	20.7	22.7	23.9	22.5	14.7	19.8	18.1	20.5	12.8	14.2	13.5	10.7
Other MSA	28.1	21.0	19.0	23.3	19.8	19.3	19.1	19.4	17.5	15.0	18.5	18.4	13.7	13.8	13.2	14.4
Non-MSA	20.6	24.1	19.4	21.3	21.8	21.6	20.1	18.7	23.4	19.4	20.6	19.4	18.0	15.6	16.7	14.7
Parental Education: ^a																
1.0–2.0 (Low)	24.0	25.7	20.8	23.5	21.1	18.2	13.2	19.8	19.0	24.8	19.3	18.4	13.7	21.3	15.6	12.8
2.5–3.0	25.4	21.2	17.1	26.4	20.4	26.8	20.0	21.4	23.2	16.3	22.8	19.6	18.1	17.2	19.8	15.6
3.5–4.0	27.2	22.9	24.4	20.9	22.0	19.5	23.0	23.3	17.3	21.8	18.5	17.8	14.7	16.4	12.6	15.3
4.5–5.0	22.1	18.0	17.2	22.8	21.0	17.0	21.4	17.9	14.3	13.6	19.0	19.4	12.4	9.1	13.6	12.7
5.5–6.0 (High)	18.0	24.5	16.4	14.6	16.7	20.8	21.0	16.6	19.9	16.8	14.6	23.5	10.1	13.3	9.8	9.8
Race/Ethnicity (2-year average): b																
White	26.7	23.7	21.3	21.5	21.9	20.8	21.2	21.0	19.6	18.0	18.2	19.7	16.8	13.1	13.6	14.6
African American	20.9	18.2	17.6	18.3	17.6	22.1	21.1	18.4	15.5	12.4	17.0	17.0	15.8	19.4	18.4	10.9
Hispanic	22.3	26.7	22.9	22.9	26.0	22.0	19.8	18.2	17.4	20.7	20.0	16.7	16.0	19.7	19.4	13.8

TABLE 119 (cont.)

WINE COOLERS: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

					Perce	entage w	ho used	in last 30	days					
Approximate weighted N =	2007 14,500	2008 14,000	2009 13,700	<u>2010</u> 14,400	<u>2011</u> 14,100	2012 13,700	2013 12,600	2014 12,400	<u>2015</u> 12,900	<u>2016</u> 11,800	2017 12,600	2018 13,300	2019 12,900	2018-2019 <u>change</u>
Total	12.7	12.8	12.2	12.4	10.0	10.7	11.3	11.3	9.8	10.5	11.4	9.7	10.5	+0.7
Gender:														
Male	9.2	8.3	7.6	9.1	6.1	6.7	6.6	7.0	6.0	6.4	7.5	6.0	8.0	+2.0
Female	16.1	16.6	16.0	16.2	13.4	14.6	15.6	15.0	12.9	13.9	15.2	13.0	12.5	-0.5
College Plans:														
None or under 4 years	18.0	16.8	15.1	18.6	12.7	10.8	13.7	12.4	9.3	9.5	15.3	6.9	13.3	+6.3 s
Complete 4 years	11.5	12.0	11.4	11.3	9.5	10.8	10.8	10.8	10.2	10.5	10.6	10.7	9.8	-0.9
Region:														
Northeast	15.2	11.7	11.7	15.9	14.8	13.5	14.0	12.6	12.4	11.9	11.9	11.6	10.7	-0.9
Midwest	11.9	12.3	14.4	12.3	9.5	10.9	12.7	11.6	8.1	12.3	13.6	13.8	12.2	-1.6
South	13.0	15.1	10.1	12.8	9.8	9.4	9.3	12.6	10.0	9.7	10.8	10.3	11.0	+0.8
West	10.9	10.8	13.1	9.4	7.7	10.6	10.9	7.8	9.4	9.4	9.6	3.9	6.4	+2.4
Population Density:														
Large MSA	11.9	11.4	11.9	12.2	11.6	11.8	12.2	10.7	9.5	8.6	10.3	9.1	9.1	0.0
Other MSA	12.6	12.8	12.8	12.8	8.5	9.5	10.4	10.1	9.5	9.7	10.1	8.4	9.8	+1.4
Non-MSA	13.9	14.3	11.3	11.8	11.4	12.2	12.3	14.7	11.2	15.1	15.4	13.8	14.6	+0.8
Parental Education: a														
1.0-2.0 (Low)	18.4	17.3	17.4	13.5	12.8	10.6	11.0	10.0	13.0	9.9	8.4	5.9	6.3	+0.3
2.5–3.0	13.1	12.8	11.1	16.7	15.5	10.2	13.1	15.0	10.5	8.6	11.1	10.8	9.4	-1.3
3.5–4.0	13.5	12.3	14.5	11.6	7.7	11.9	12.7	11.3	9.8	12.0	14.7	9.2	9.1	0.0
4.5–5.0	10.8	11.1	11.0	10.9	8.5	12.3	11.0	9.0	8.8	11.2	11.9	11.6	13.3	+1.6
5.5-6.0 (High)	11.7	12.5	7.1	10.7	8.2	6.5	9.6	11.9	9.0	7.5	7.8	11.8	12.1	+0.2
Race/Ethnicity (2-year average): b														
White	13.1	11.4	11.1	12.5	12.0	10.8	11.2	11.6	11.1	10.8	12.5	13.7	13.3	-0.4
African American	11.8	16.8	18.5	13.0	8.3	8.9	10.9	10.4	8.9	10.0	8.9	6.8	7.5	+0.6
Hispanic	13.0	12.9	13.2	12.7	10.5	9.7	11.2	11.0	10.0	8.7	8.8	7.0	5.1	-1.9

Notes.

Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of five forms in 1988; N is one fifth of N indicated in Table S3. Data based on one of six forms beginning in 1989; N is one sixth of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 120
WINE COOLERS: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 12

					Percer	itage rep	orting 5+	drinks ir	a row o	n one or	more oc	casions				
	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	1980	<u>1981</u>	1982	1983	1984	1985	1986	1987	1988	1989	1990
Approximate weighted N =	_	_	_	_	_	_	_	_	_	_	_	_	_	16,300		15,200
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	13.9	12.4	10.5
Gender:																
Male	_	_	_	_	_	_	_	_	_	_	_	_	_	12.1	11.3	9.9
Female	_	_	_	_	_	_	_	_	_	_	_	_	_	15.1	13.5	11.3
College Plans:																
None or under 4 years	_	_	_	_	_		_	_		_	_		_	17.7	16.2	14.2
Complete 4 years	_	_	_	_	_	_	_	_	_	_	_	_	_	12.5	10.7	9.0
Region:																
Northeast	_	_	_	_	_	_	_	_	_	_	_	_	_	14.7	14.3	10.0
Midwest	_	_	_	_	_	_	_	_	_	_	_	_	_	14.2	13.1	12.0
South	_	_	_	_	_	_	_	_	_	_	_	_	_	11.2	11.2	9.3
West	_	_	_	_	_	_	_	_	_	_	_	_	_	17.4	12.0	11.0
Population Density:																
Large MSA	_	_	_	_	_	_	_	_	_	_	_	_	_	14.2	11.7	10.0
Other MSA	_	_	_	_	_	_	_	_	_	_	_	_	_	15.6	12.4	11.0
Non-MSA	_	_	_	_	_	_	_	_	_	_	_	_	_	10.7	13.3	9.9
Parental Education: ^a																
1.0-2.0 (Low)	_	_	_	_	_	_	_	_	_	_	_	_	_	13.9	9.2	10.7
2.5–3.0	_	_	_	_	_	_	_	_	_	_	_	_	_	16.6	13.8	13.3
3.5-4.0	_		_		_		_			_			_	13.6	14.9	9.3
4.5–5.0	_	_	_	_	_	_	_	_	_	_	_	_	_	11.7	10.5	11.3
5.5-6.0 (High)	_	_	_	_	_	_	_	_	_	_	_	_	_	11.4	7.4	6.3
Race/Ethnicity (2-year average): b																
White	_	_	_	_	_	_	_	_	_	_	_	_	_	_	13.6	12.3
African American	_	_	_	_	_	_	_	_	_	_	_	_	_	_	13.0	9.9
Hispanic	_		_	_	_	_	_		_	_	_		_	_	11.5	6.0

TABLE 120 (cont.)

WINE COOLERS: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 12

					Percer	tage rep	orting 5+	drinks ir	n a row o	n one or	more occ	casions				
	<u>1991</u>	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Approximate weighted N =	15,000	15,800	16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200
Total	10.2	10.4	8.5	8.9	9.0	8.4	9.4	9.5	7.7	8.8	9.7	10.0	7.1	7.5	7.2	7.1
Gender:																
Male	10.0	10.2	7.3	7.4	6.7	6.9	6.7	7.0	7.0	9.4	6.2	7.2	5.4	7.5	4.2	6.1
Female	10.2	10.3	9.5	10.0	10.8	9.7	11.3	11.0	7.8	8.4	11.4	11.4	8.2	8.0	9.7	8.0
College Plans:																
None or under 4 years	13.5	11.1	10.8	10.9	12.1	8.8	10.1	9.9	10.2	12.1	14.8	13.7	8.9	10.8	11.4	11.9
Complete 4 years	9.2	10.1	8.0	8.6	8.0	8.3	9.2	9.5	7.0	7.4	8.2	9.2	6.7	6.8	6.2	6.0
Region:																
Northeast	7.6	8.8	6.5	5.5	5.5	9.8	8.2	9.6	8.9	10.1	10.2	9.8	8.0	7.5	10.7	6.9
Midwest	10.9	12.0	8.0	9.9	7.0	9.2	9.7	7.3	7.0	10.8	8.9	12.0	8.8	6.4	6.6	7.3
South	8.8	10.3	11.1	9.3	11.5	8.7	9.7	10.5	8.8	5.9	10.9	9.6	6.7	8.6	6.6	8.3
West	13.2	9.7	6.2	10.0	10.4	4.8	9.7	10.2	5.6	10.1	8.4	8.4	5.0	7.1	5.7	5.1
Population Density:																
Large MSA	7.9	11.8	7.9	8.5	11.1	8.8	10.8	12.1	7.5	11.1	10.6	9.6	6.8	7.2	7.0	6.4
Other MSA	12.4	9.2	8.7	8.8	7.5	8.3	9.5	8.7	6.5	8.1	8.2	9.9	6.3	7.0	7.4	6.6
Non-MSA	8.2	11.7	8.6	9.6	9.1	8.2	7.8	7.9	9.7	7.4	11.3	10.7	8.9	8.9	7.1	9.1
Parental Education: ^a																
1.0-2.0 (Low)	12.5	13.1	12.2	11.4	11.7	9.6	6.8	13.2	8.3	16.8	14.1	14.6	9.3	11.9	8.3	12.0
2.5–3.0	10.9	9.5	6.9	10.4	9.5	11.4	9.8	11.0	9.2	8.8	12.6	9.9	9.4	9.5	9.9	8.2
3.5-4.0	12.0	11.1	11.1	8.8	8.5	6.8	10.6	9.9	7.7	8.8	7.3	9.9	6.1	9.1	6.2	7.4
4.5–5.0	9.2	8.8	7.4	9.2	9.2	7.2	8.6	7.7	7.2	8.6	10.7	10.7	5.9	4.2	6.8	7.4
5.5-6.0 (High)	3.7	10.6	5.6	4.8	7.5	7.7	9.5	7.9	5.8	7.0	6.1	8.0	5.9	5.5	5.2	3.4
Race/Ethnicity (2-year average): b																
White	10.7	10.3	9.5	8.6	8.6	8.1	8.7	8.8	7.6	7.6	8.9	10.2	8.4	6.4	6.9	7.5
African American	9.2	8.7	8.6	8.6	7.5	10.4	10.0	9.2	6.9	4.2	9.6	10.0	7.8	11.7	10.5	4.6
Hispanic	9.8	14.5	13.5	13.1	13.9	11.1	9.8	12.0	12.6	13.2	11.5	9.1	9.3	10.6	9.4	8.0

TABLE 120 (cont.)

WINE COOLERS: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 12

			Pe	rcentage	reportin	g 5+ drin	ks in a ro	ow on on	e or more	e occasio	ons			
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2018-2019 <u>change</u>
Approximate weighted N =		14,000	13.700	14,400	14,100	13,700	12,600	12,400	12,900	11.800	12,600	13,300	12.900	change
Total	5.8	7.3	6.2	6.4	4.9	5.4	5.3	5.8	5.0	4.3	6.3	5.0	4.9	-0.1
Gender:														
Male	4.8	4.5	3.5	5.7	3.6	3.0	4.1	4.1	2.5	2.2	4.4	2.8	4.1	+1.3
Female	7.0	9.6	8.7	7.0	6.1	7.2	6.4	7.2	6.8	5.6	8.1	6.5	5.6	-1.0
College Plans:														
None or under 4 years	11.1	8.2	9.4	9.9	6.2	6.7	7.9	6.2	5.4	5.2	8.8	6.9	5.8	-1.1
Complete 4 years	4.7	7.0	5.6	5.6	4.5	5.1	4.6	5.4	5.0	3.9	5.7	4.6	4.7	+0.1
Region:														
Northeast	6.1	7.4	5.9	7.5	9.4	6.1	6.0	5.0	4.5	5.5	8.6	5.2	5.8	+0.6
Midwest	6.0	8.1	7.8	6.1	5.0	4.6	6.9	5.4	4.6	7.7	8.1	6.5	4.8	-1.7
South	5.7	8.4	4.9	7.3	4.6	6.1	3.9	6.5	5.5	2.8	5.2	5.3	5.7	+0.4
West	5.5	4.6	6.7	4.3	2.5	4.9	5.0	5.6	5.1	3.1	4.9	3.2	2.5	-0.7
Population Density:														
Large MSA	5.3	6.3	4.8	7.1	4.9	6.8	6.3	5.3	4.8	3.6	6.7	5.8	4.4	-1.4
Other MSA	6.4	6.7	6.6	6.5	4.0	3.8	4.0	5.1	5.3	3.9	6.0	4.0	4.2	+0.3
Non-MSA	5.3	9.4	7.2	4.9	7.2	6.8	7.0	7.7	4.8	6.3	6.6	6.1	7.7	+1.5
Parental Education: ^a														
1.0-2.0 (Low)	8.8	9.1	9.7	7.5	8.4	4.9	8.3	5.5	7.6	1.0	4.1	7.5	1.6	-5.9
2.5–3.0	8.1	8.0	5.4	8.5	7.9	6.7	4.9	6.4	5.3	3.7	8.0	5.4	5.7	+0.2
3.5–4.0	5.6	6.8	8.6	5.6	4.0	5.0	6.6	6.9	4.6	5.8	8.2	2.7	4.3	+1.6
4.5–5.0	4.7	5.5	4.2	5.3	3.4	5.7	4.3	4.5	4.5	5.6	6.3	4.6	5.7	+1.1
5.5-6.0 (High)	4.1	8.3	3.8	5.2	3.5	3.0	4.6	6.0	5.3	2.5	3.6	7.0	5.0	-2.0
Race/Ethnicity (2-year average): ^b														
White	6.4	5.4	5.5	6.1	6.1	5.3	5.4	6.4	5.9	4.7	6.3	6.9	5.6	-1.2
African American	4.9	6.6	8.2	7.2	4.3	3.9	4.7	3.8	4.4	6.1	3.4	1.8	3.4	+1.6
Hispanic	7.9	8.1	8.8	7.4	5.6	5.4	5.8	5.2	5.7	4.1	4.5	5.7	4.0	-1.7

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of five forms in 1988; N is one fifth of N indicated in Table S3. Data based on one of six forms beginning in 1989; N is one sixth of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 121
FLAVORED ALCOHOLIC BEVERAGES:

Trends in 30-Day Prevalence of Use by Subgroups in Grade 8

							Perc	entage w	/ho used	in last 30) days							2018–
	1991–																	2019
A construction of a construct of Al	2003	2004	2005	2006	2007	2008	2009	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	2016	<u>2017</u>	2018	2019	<u>change</u>
Approximate weighted N =	_	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	14,400	16,900	15,300	14,000	13,600	
Total	_	14.6	12.9	13.1	12.2	10.2	9.5	9.4	8.6	7.6	6.3	5.7	5.5	4.0	4.4	4.9	4.5	-0.4
Gender:																		
Male	_	12.7	11.4	10.8	10.4	9.2	9.1	8.3	8.3	6.1	5.8	5.1	5.2	3.5	3.7	3.9	3.7	-0.1
Female	_	16.3	14.4	15.3	13.4	10.9	9.7	10.3	8.6	9.1	6.7	5.9	5.8	4.5	5.2	6.1	5.3	-0.8
College Plans:																		
None or under 4 years	_	28.1	24.9	25.9	23.8	24.0	18.3	19.6	14.4	19.9	14.3	13.8	10.4	7.5	9.8	6.0	7.5	+1.5
Complete 4 years	_	13.3	11.8	11.8	11.1	9.0	8.7	8.6	8.3	6.7	5.8	5.1	5.2	3.7	3.8	4.9	4.2	-0.7
Region:																		
Northeast	_	14.9	11.0	12.2	9.7	9.2	8.8	9.2	5.4	7.2	4.7	4.9	4.2	2.3	2.0	4.8	2.7	-2.0
Midwest	_	16.2	12.6	12.9	12.0	10.5	9.1	8.2	7.8	5.2	6.3	5.6	5.5	4.0	4.4	4.7	5.1	+0.4
South	_	15.1	14.6	14.3	14.0	12.6	11.8	11.3	9.6	9.2	7.4	4.7	6.6	4.8	4.5	5.1	4.6	-0.5
West	_	11.7	11.9	12.0	10.9	7.2	6.7	7.6	10.4	7.6	5.9	7.8	4.5	3.7	5.9	5.0	5.1	+0.1
Population Density:																		
Large MSA		14.4	11.5	12.6	10.6	11.1	7.2	8.5	6.4	6.8	5.7	4.9	4.5	3.2	3.8	4.0	3.2	-0.7
Other MSA	_	14.2	14.0	13.0	12.4	9.7	9.7	10.0	9.7	8.0	7.2	5.3	6.0	4.0	4.5	5.6	4.1	-1.5
Non-MSA	_	15.6	12.8	13.9	14.2	10.2	12.0	9.0	9.6	8.2	5.5	7.4	5.8	5.1	4.9	4.9	7.7	+2.7
Parental Education: ^a																		
1.0-2.0 (Low)	_	19.5	19.5	18.7	21.1	19.3	14.7	11.2	12.7	11.7	12.3	9.5	11.5	10.0	7.7	6.0	4.4	-1.6
2.5–3.0	_	17.5	18.0	18.7	17.5	14.4	13.1	13.4	12.1	11.7	8.7	8.4	5.2	4.4	5.1	6.4	9.1	+2.7
3.5-4.0	_	17.8	16.2	13.4	12.3	11.7	11.4	10.5	10.3	7.8	7.9	7.0	6.4	3.4	4.9	5.6	6.1	+0.5
4.5–5.0	_	11.8	10.3	8.5	9.8	7.2	7.4	8.0	6.2	5.4	5.6	3.3	3.8	3.6	3.4	4.5	3.1	-1.4
5.5–6.0 (High)	_	11.5	7.3	9.9	7.1	6.5	4.7	4.9	6.2	4.7	2.8	4.1	4.0	2.1	3.1	4.5	3.3	-1.2
Race/Ethnicity (2-year average): b																		
White	_	_	13.8	12.6	12.1	11.1	9.8	9.0	8.5	7.4	6.4	5.5	5.1	4.4	3.7	4.2	4.9	+0.7
African American	_	_	12.0	11.0	10.1	9.2	8.5	8.0	7.7	8.8	7.3	4.2	4.3	3.9	3.8	3.2	2.3	-0.9
Hispanic	_	_	17.0	17.6	16.7	13.9	11.8	11.7	11.4	10.8	9.1	7.5	7.1	6.6	5.5	5.6	5.4	-0.2

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. ' — ' indicates data not available. Any apparent inconsistency

between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table S1. In 2011 Skyy Blue and Zima were deleted from the list of examples.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 122
FLAVORED ALCOHOLIC BEVERAGES:

Trends in 30-Day Prevalence of Use by Subgroups in Grade 10

							Perc	entage w	ho used	in last 30	days days							2018–
	1991–	0004	0005	0000	0007	0000	0000	0040	0044	0040	0040	0044	0045	0040	0047	0040	0040	2019
Approximate weighted N =	<u>2003</u>	2004 16.400	2005 16.200	2006 16,200	2007 16.100	2008 15.100	2009 15.900	2010 15,200	2011 14.900	2012 15.000	2013 12.900	2014 13.000	2015 15.600	2016 14.700	2017 13.500	2018 14.300	2019 14.000	<u>change</u>
Approximate weighted N = Total	_	25.1	23.1	24.7	21.8	20.2	19.0	19.4	15.8	16.3	12,900	-,	12.8	14,700	12.9	11.8	11.1	-0.7
Gender	_	25.1	23.1	24.1	21.0	20.2	19.0	19.4	10.0	10.3	15.5	14.0	12.0	11.0	12.9	11.0	11.1	-0.7
Male		24.5	20.3	22.4	18.8	17.0	17.0	18.8	13.8	13.5	13.7	12.4	10.5	8.4	9.9	11.2	10.2	-1.1
Female	_		25.8	26.9	24.7	22.9	20.9		17.7	18.5	16.7	15.7		13.4	9.9 15.7	12.5	11.9	-0.6
	_	25.6	25.8	20.9	24.7	22.9	20.9	19.8	17.7	16.5	10.7	15.7	14.9	13.4	15.7	12.5	11.9	-0.0
College Plans:		20.5	22.0	27.0	20.0	29.1	20.0	20.0	05.7	21.0	19.1	20.5	40.0	47.0	17.4	44.5	40.0	-0.7
None or under 4 years	_	32.5	33.8	37.2	32.0		30.0	28.6	25.7			20.5	18.9	17.2		14.5	13.8	
Complete 4 years	_	24.2	21.7	23.1	20.6	19.1	17.8	18.4	14.7	15.8	15.0	13.3	12.3	10.3	12.2	11.6	10.7	-0.9
Region:		00.0	00.4	00.0	00.0	00.0	40.0	40.0	47.5	40.4	45.0	44.4	40.4	44.0	40.0	40.4	40.7	0.0
Northeast	_	26.6	22.4	26.3	23.2	22.2	18.6	18.3	17.5	19.4	15.6	14.4	12.4	11.0	13.9	13.4	12.7	-0.6
Midwest	_	22.5	23.4	23.5	21.2	20.0	17.6	19.1	14.3	14.5	13.9	12.3	12.6	9.0	11.0	10.6	13.0	+2.4
South	_	25.6	23.7	24.5	20.0	20.3	21.1	19.6	16.6	17.4	17.2	14.5	15.0	12.6	14.1	13.5	10.3	-3.1
West	_	26.5	22.5	25.4	23.6	19.0	17.9	20.3	15.1	14.0	15.0	14.8	9.7	10.6	12.5	9.1	9.6	+0.5
Population Density:																		
Large MSA	_	22.4	22.0	23.1	21.5	19.0	17.6	20.2	15.3	17.4	13.8	13.7	12.3	10.5	13.7	11.2	11.0	-0.2
Other MSA	_	26.1	23.1	25.5	21.4	20.9	19.6	19.0	15.8	16.2	16.4	14.5	12.4	9.7	12.5	12.5	10.7	-1.7
Non-MSA	_	26.5	24.4	25.5	23.0	20.5	19.7	18.9	16.5	14.7	15.7	13.2	14.5	15.6	13.0	11.2	12.3	+1.0
Parental Education: ^a																		
1.0–2.0 (Low)	_	27.3	24.9	25.8	25.5	21.8	23.5	26.4	17.6	17.0	16.4	14.6	13.6	9.3	15.5	14.8	13.5	-1.3
2.5–3.0	_	30.5	28.1	27.9	25.8	23.4	23.3	24.5	19.2	17.3	19.9	16.6	17.7	14.3	13.7	11.2	14.8	+3.6
3.5–4.0	_	25.0	23.6	28.5	23.1	21.2	18.8	20.2	17.5	15.6	16.3	16.2	13.6	11.4	13.0	12.6	11.1	-1.5
4.5–5.0	_	24.9	22.6	19.9	19.7	19.0	18.2	15.7	13.6	16.7	14.6	11.5	11.2	12.1	12.5	11.4	9.4	-2.0
5.5-6.0 (High)	_	20.8	17.3	23.7	16.9	16.2	14.3	15.4	12.3	17.5	10.5	13.3	10.9	7.8	12.3	10.3	10.4	+0.1
Race/Ethnicity (2-year average): b																		
White	_	_	25.7	25.1	24.0	21.8	20.0	19.0	17.4	16.5	16.5	15.8	14.8	13.2	13.2	14.1	13.6	-0.6
African American	_	_	16.1	15.5	15.9	15.2	14.2	14.8	14.0	10.7	9.6	8.1	8.1	8.4	7.0	6.5	6.2	-0.3
Hispanic			29.0	28.6	26.1	23.1	23.0	24.2	22.6	17.7	16.7	16.1	14.3	12.5	12.2	12.5	11.7	-0.8

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .011. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table S2. In 2011 Skyy Blue and Zima were deleted from the list of examples.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 123
FLAVORED ALCOHOLIC BEVERAGES:

Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

							Perc	entage w	ho used	in last 30) days							_
	1991– 2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2018– 2019 change
Approximate weighted N =	_	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	_	31.1	30.5	29.3	29.1	27.4	27.4	24.1	23.1	21.8	21.0	19.9	20.8	18.3	20.2	18.1	18.5	+0.4
Gender:																		
Male	_	28.9	28.3	26.0	25.4	25.8	27.3	22.6	21.8	19.9	20.1	16.8	19.1	17.4	17.7	18.2	17.8	-0.4
Female	_	33.2	33.2	32.3	32.8	29.0	27.1	25.0	24.6	23.3	22.0	21.9	22.6	18.6	21.7	18.1	18.5	+0.4
College Plans:																		
None or under 4 years	_	34.7	34.2	32.9	37.0	29.0	35.6	26.8	26.2	22.6	25.8	22.8	24.8	18.1	20.3	20.3	16.6	-3.7
Complete 4 years	_	30.3	29.6	28.7	27.5	26.9	25.9	23.9	22.4	21.5	19.9	19.3	20.0	18.1	20.3	17.9	19.2	+1.3
Region:																		
Northeast	_	33.5	38.1	29.4	36.0	33.5	34.0	31.3	25.7	20.6	23.6	22.6	24.9	21.8	22.9	20.1	17.3	-2.8
Midwest	_	35.3	33.4	32.2	28.5	25.8	26.7	23.7	23.1	22.4	18.3	24.3	19.9	18.3	25.1	17.7	21.5	+3.9
South	_	25.9	25.9	27.0	28.8	26.9	27.2	23.3	22.1	19.3	19.9	17.6	21.3	16.9	20.0	18.3	16.6	-1.7
West	_	32.1	27.9	29.9	24.9	25.8	23.2	20.9	22.9	24.8	23.9	17.6	18.0	18.5	14.5	16.8	19.9	+3.0
Population Density:																		
Large MSA	_	27.0	29.9	32.3	30.8	28.7	27.0	26.4	25.3	22.5	23.4	18.7	21.9	18.2	17.9	16.7	14.5	-2.1
Other MSA	_	33.4	29.9	27.7	27.8	25.8	28.8	23.8	23.8	22.2	20.0	19.9	19.3	17.0	19.1	17.7	17.9	+0.2
Non-MSA	_	30.9	32.2	28.5	29.5	29.1	24.7	21.8	18.6	19.5	20.1	21.2	22.2	21.2	26.5	21.3	26.4	+5.1
Parental Education: a																		
1.0-2.0 (Low)	_	28.5	22.2	30.3	34.0	24.9	26.8	13.8	24.8	19.7	21.8	21.0	20.9	11.9	19.0	13.0	13.7	+0.7
2.5–3.0	_	31.0	33.3	30.6	32.4	28.3	28.2	27.8	26.1	24.0	24.8	21.5	19.0	20.5	19.5	18.9	17.1	-1.8
3.5–4.0	_	33.6	31.7	30.9	29.9	28.4	28.7	24.0	25.3	22.9	20.7	22.0	22.6	17.3	21.4	18.0	20.6	+2.5
4.5–5.0	_	29.4	30.2	28.8	27.6	27.6	24.4	26.1	20.0	21.7	20.0	16.1	23.9	21.1	19.1	22.6	19.6	-3.0
5.5-6.0 (High)	_	29.8	30.2	26.4	25.3	26.6	28.4	23.4	20.5	19.7	19.1	19.9	17.8	15.9	24.0	18.3	24.3	+5.9
Race/Ethnicity (2-year average): b																		
White	_	_	33.3	31.4	30.6	31.1	29.9	27.0	24.6	22.9	22.2	22.1	22.4	22.7	23.5	23.4	21.9	-1.5
African American	_	_	17.1	20.9	21.6	19.8	19.3	20.0	20.0	17.2	14.2	16.1	14.1	10.9	10.5	13.5	12.8	-0.6
Hispanic	_	_	28.6	32.2	34.5	26.2	25.2	24.7	25.5	26.8	21.9	16.3	18.6	21.4	16.5	13.9	14.6	+0.7

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of six forms; N is one sixth of N indicated in Table S3. In 2011 Skyy Blue and Zima were deleted from the list of examples.

caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 124 ALCOHOLIC BEVERAGES CONTAINING CAFFEINE:

Trends in **Annual Prevalence of Use by Subgroups in Grade 8**

				Perce	entage wh	no used in	last 12 m	nonths			
	1991– 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2018- 2019 change
Approximate weighted N =	_	16,000	15,100	14,600	14,600	14,400	16,900	15,300	14,000	13,600	
Total	_	11.8‡	10.9	10.2	9.5	8.4	6.5	5.6	6.0	7.3	+1.3
Gender:											
Male	_	9.4±	9.6	8.4	9.2	7.6	6.1	4.6	5.4	7.3	+1.9
Female	_	13.8‡	11.9	11.7	9.6	8.9	6.9	6.4	6.7	7.5	+0.8
College Plans:											
None or under 4 years	_	22.3‡	19.1	21.6	22.9	19.3	15.8	10.4	11.9	13.3	+1.4
Complete 4 years	_	11.0‡	10.2	9.4	8.4	7.6	5.7	5.2	5.3	6.6	+1.4
Region:											
Northeast	_	10.4‡	8.7	11.5	6.7	7.4	4.2	2.6	5.5	5.6	+0.1
Midwest	_	10.3‡	8.6	8.7	10.3	8.6	6.7	4.4	5.1	7.0	+1.9
South	_	12.9‡	12.4	11.4	9.0	7.7	6.6	6.1	5.6	7.6	+2.0
West	_	12.5‡	12.3	9.1	11.3	10.3	7.9	7.9	8.2	8.4	+0.2
Population Density:											
Large MSA	_	9.8‡	10.6	9.6	7.8	7.3	5.3	5.7	7.0	5.9	-1.2
Other MSA	_	13.4‡	10.9	10.5	9.6	7.8	6.6	5.3	5.9	7.6	+1.7
Non-MSA	_	11.4‡	11.3	10.5	11.4	11.1	8.4	6.1	4.7	8.6	+3.9 ss
Parental Education: a											
1.0–2.0 (Low)	_	19.0‡	13.8	13.4	13.8	12.5	9.9	8.7	8.7	12.7	+4.1
2.5–3.0	_	17.3‡	14.4	11.1	12.6	8.4	7.4	6.6	8.2	12.0	+3.7
3.5–4.0	_	13.8‡	13.3	13.1	10.9	11.5	8.7	7.2	6.6	7.9	+1.3
4.5–5.0	_	8.3‡	8.9	8.2	7.1	6.5	5.4	3.4	4.8	4.7	-0.1
5.5-6.0 (High)	_	7.0‡	6.9	8.8	6.5	4.8	4.8	4.4	4.2	5.3	+1.1
Race/Ethnicity (2-year average): b											
White	_	_	_	9.0	9.6	9.2	7.2	5.3	4.8	6.3	+1.5 ss
African American	_	_	_	7.3	5.9	5.6	4.8	3.7	4.2	5.7	+1.5
Hispanic	_	_	_	14.5	11.5	9.4	8.5	7.5	7.1	8.2	+1.0

Source. The Monitoring the Future study, the University of Michigan.

Notes.

'—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.' ‡' indicates some change in the question. See relevant footnote for that drug. See relevant figure to assess the impact of the wording changes. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. In 2012 the question text was changed from "...had an alcoholic beverage containing caffeine (like Four Loko or Joose)" to "...had an alcoholic beverage mixed with an energy drink (like Red Bull)." The data in 2011 and 2012 are not comparable due to this question change. Data based on one of four forms; N is one third of N indicated in Table S1.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to

TABLE 125
ALCOHOLIC BEVERAGES CONTAINING CAFFEINE:

Trends in **Annual** Prevalence of Use by Subgroups in **Grade 10**

			P	ercentage	e who use	ed in last	12 month	s			
	1991–										2018– 2019
	<u>2010</u>	<u>2011</u>	2012	2013	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>
Approximate weighted N =	_	14,900	15,000	12,900	13,000	15,600	14,700	13,500	14,300	14,000	
Total	_	22.5‡	19.7	16.9	14.3	12.8	10.6	9.9	9.8	8.4	-1.4
Gender:											
Male	_	20.4‡	19.7	17.0	13.8	12.8	10.6	9.5	11.0	8.9	-2.1
Female	_	24.7‡	19.8	16.7	14.7	12.7	10.8	10.2	8.3	7.8	-0.4
College Plans:											
None or under 4 years	_	34.1‡	29.9	26.7	23.9	21.4	19.5	18.2	17.9	12.9	-5.0 s
Complete 4 years	_	21.2‡	18.7	15.9	13.2	11.9	9.7	9.0	8.5	7.6	-0.8
Region:											
Northeast	_	26.4‡	19.9	18.4	12.2	14.2	11.0	9.4	8.8	9.8	+1.0
Midwest	_	17.4‡	18.5	15.5	13.4	12.2	9.1	8.4	9.6	6.0	-3.6 s
South	_	22.9‡	19.5	16.6	14.9	12.4	10.7	8.7	9.0	7.1	-2.0
West	_	24.7‡	21.1	17.7	16.0	12.9	11.6	13.1	12.2	12.2	0.0
Population Density:											
Large MSA	_	21.7‡	17.4	14.0	13.8	11.6	10.0	9.1	10.9	6.6	-4.4 ss
Other MSA	_	23.2‡	20.1	18.2	13.4	13.5	10.4	10.0	9.6	8.8	-0.8
Non-MSA	_	22.1‡	21.8	17.9	17.3	13.1	12.5	10.6	8.7	10.5	+1.8
Parental Education: a											
1.0-2.0 (Low)	_	33.8‡	23.7	21.7	16.8	18.4	12.4	12.7	13.5	10.5	-3.0
2.5–3.0	_	25.6‡	23.2	20.9	18.2	14.6	14.7	10.7	12.2	8.5	-3.7 s
3.5-4.0	_	25.5‡	22.8	19.7	16.2	14.1	11.6	10.3	10.7	8.8	-1.8
4.5–5.0	_	17.1‡	18.8	13.4	12.8	11.5	8.8	8.9	7.1	8.6	+1.5
5.5-6.0 (High)	_	17.0‡	12.4	12.7	9.8	10.7	8.6	8.7	8.5	7.3	-1.1
Race/Ethnicity (2-year average): b											
White	_	_	_	19.3	17.3	15.2	13.5	12.1	11.0	10.2	-0.8
African American	_	_	_	10.4	7.6	7.2	6.2	5.2	5.2	4.8	-0.5
Hispanic	_	_	_	20.3	16.6	13.9	11.4	10.7	10.8	9.0	-1.8

Source. The Monitoring the Future study, the University of Michigan.

Notes.

'—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.'‡' indicates some change in the question. See relevant footnote for that drug. See relevant figure to assess the impact of the wording changes. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. 'In 2012 the question text was changed from "...had an alcoholic beverage containing caffeine (like Four Loko or Joose)" to "...had an alcoholic beverage mixed with an energy drink (like Red Bull)." The data in 2011 and 2012 are not comparable due to this question change. Data based on one of four forms; N is one third of N indicated in Table S2.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to

TABLE 126 ALCOHOLIC BEVERAGES CONTAINING CAFFEINE:

Trends in **Annual** Prevalence of Use by Subgroups in **Grade 12**

			P	ercentage	e who use	ed in last	12 month	s			-
	1975–										2018– 2019
	<u>2010</u>	<u>2011</u>	2012	2013	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	change
Approximate weighted N =	_	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	_	26.4‡	26.4	23.5	20.0	18.3	17.0	16.9	14.7	12.3	-2.4 s
Gender:											
Male	_	26.6‡	28.8	26.9	21.7	19.6	19.0	18.7	15.9	12.4	-3.5 s
Female	_	25.9‡	23.7	20.1	18.5	17.4	14.4	15.3	12.9	11.5	-1.4
College Plans:											
None or under 4 years	_	29.4‡	28.7	29.7	23.7	22.5	18.3	19.9	17.7	16.5	-1.3
Complete 4 years	_	25.6‡	25.3	22.0	19.1	17.4	16.3	16.0	13.8	11.2	-2.6 s
Region:											
Northeast	_	29.7‡	28.7	23.6	22.5	21.1	17.4	21.5	14.5	10.9	-3.6
Midwest	_	26.6‡	30.2	23.1	23.0	18.5	18.5	18.6	15.2	12.8	-2.4
South	_	23.8‡	21.9	22.3	17.9	15.5	14.5	15.1	14.4	11.3	-3.1
West	_	27.8‡	26.4	25.6	18.7	20.6	19.9	15.4	14.9	15.4	+0.5
Population Density:											
Large MSA	_	27.9‡	27.7	25.2	20.3	18.5	17.5	16.8	13.3	11.1	-2.2
Other MSA	_	27.4‡	27.0	24.2	20.8	17.7	17.2	16.4	14.9	12.2	-2.7
Non-MSA	_	21.9‡	22.6	19.3	17.6	19.3	15.7	18.0	16.8	14.7	-2.2
Parental Education: a											
1.0-2.0 (Low)	_	26.5‡	20.3	22.4	21.5	17.0	18.4	14.3	12.0	12.0	0.0
2.5–3.0	_	28.1‡	25.9	23.1	19.5	19.2	14.8	17.1	15.9	12.5	-3.4
3.5-4.0	_	27.0‡	30.3	25.3	20.2	18.3	17.9	17.8	15.3	12.3	-2.9
4.5–5.0	_	24.7‡	26.8	22.8	20.5	19.3	17.6	16.1	15.4	13.1	-2.4
5.5-6.0 (High)	_	26.3‡	24.2	22.3	20.1	19.0	16.7	17.9	13.0	12.7	-0.3
Race/Ethnicity (2-year average): b											
White	_	_	_	28.1	24.6	22.2	21.0	20.3	19.1	15.8	-3.2 sss
African American	_	_	_	11.5	11.6	11.2	10.1	8.5	8.0	7.2	-0.8
Hispanic	_	_	_	23.0	18.9	16.3	15.9	15.4	12.5	10.8	-1.6

Source. The Monitoring the Future study, the University of Michigan.

Notes.

'—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.'‡' indicates some change in the question. See relevant footnote for that drug. See relevant figure to assess the impact of the wording changes. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. In 2012 the question text was changed from "...had an alcoholic beverage containing caffeine (like Four Loko or Joose)" to "...had an alcoholic beverage mixed with an energy drink (like Red Bull)." The data in 2011 and 2012 are not comparable due to this question change. Data based on two of six forms; N is two sixths of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to

TABLE 127 CIGARETTES: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 8</u>

						Perce	entage w	ho used	in last 30	0 days					
	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	2003	<u>2004</u>	2005
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800
Total	14.3	15.5	16.7	18.6	19.1	21.0	19.4	19.1	17.5	14.6	12.2	10.7	10.2	9.2	9.3
Gender:															
Male	15.5	14.9	17.2	19.3	18.8	20.6	19.1	18.0	16.7	14.3	12.2	11.0	9.6	8.3	8.7
Female	13.1	15.9	16.3	17.9	19.0	21.1	19.5	19.8	17.7	14.7	12.0	10.4	10.6	9.9	9.7
College Plans:															
None or under 4 years	29.2	31.9	34.1	36.6	36.5	39.2	40.0	40.1	40.3	34.7	30.0	29.3	27.8	25.6	26.7
Complete 4 years	11.8	13.1	14.3	16.1	16.8	18.2	16.9	16.5	14.5	12.2	10.0	8.9	8.3	7.4	7.4
Region:															
Northeast	13.7	14.4	15.0	17.8	18.6	22.1	18.0	15.6	15.7	13.7	11.4	9.1	7.7	7.2	7.8
Midwest	15.5	16.5	16.3	18.5	20.9	23.2	20.0	22.3	21.3	17.1	12.0	11.0	12.2	10.8	9.5
South	15.7	17.0	18.2	19.5	19.4	21.1	21.0	21.1	18.7	14.7	14.3	13.0	11.7	10.3	11.6
West	10.0	12.2	16.4	18.0	16.5	17.1	17.1	15.1	12.1	12.2	9.3	7.5	7.0	7.4	6.3
Population Density:															
Large MSA	12.8	15.0	14.1	15.5	16.5	19.4	15.8	16.4	12.7	12.1	9.3	7.5	7.7	7.7	6.7
Other MSA	14.9	15.3	17.8	20.7	19.4	21.4	19.7	17.7	16.0	13.1	11.6	10.6	9.8	8.9	9.8
Non-MSA	14.8	16.4	17.9	17.8	21.5	22.1	22.8	24.8	26.1	21.1	16.9	14.9	14.4	11.6	11.8
Parental Education: a															
1.0-2.0 (Low)	26.2	24.1	23.3	26.1	25.3	26.5	26.9	26.7	26.6	22.0	20.3	20.3	17.5	15.8	16.6
2.5–3.0	16.4	16.9	19.8	20.6	22.7	24.4	22.4	23.9	23.5	19.6	16.4	14.5	14.8	12.2	13.4
3.5-4.0	13.9	14.9	17.4	20.1	20.8	21.4	20.9	21.4	17.0	14.7	12.6	10.5	9.6	9.6	10.5
4.5–5.0	10.1	13.3	12.5	14.9	14.9	18.4	16.2	14.2	12.3	10.2	8.3	7.8	6.7	6.7	5.9
5.5-6.0 (High)	11.3	11.5	13.3	15.1	14.5	17.3	15.3	13.8	12.2	9.8	6.9	5.8	6.0	5.2	4.3
Race/Ethnicity (2-year average): ^b															
White	_	16.2	17.8	18.9	20.7	22.7	22.8	21.5	20.1	17.7	14.7	12.0	10.9	10.0	9.4
African American	_	5.3	6.6	8.7	8.9	9.6	10.9	10.6	10.7	9.6	8.2	7.7	6.9	6.9	7.1
Hispanic	_	16.7	18.3	21.3	21.6	19.6	19.1	20.1	20.5	16.6	13.0	12.8	11.9	10.1	9.0

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TABLE 127 (cont.)

CIGARETTES: Trends in 30-Day Prevalence of Use by Subgroups in Grade 8

Percentage who used in last 30 days

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2018-2019 <u>change</u>
Approximate weighted N =	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	14,400	16,900	15,300	14,000	13,600	
Total	8.7	7.1	6.8	6.5	7.1	6.1	4.9	4.5	4.0	3.6	2.6	1.9	2.2	2.3	+0.1
Gender:															
Male	8.1	7.5	6.7	6.7	7.4	6.2	4.6	4.0	3.5	3.3	2.5	1.8	2.1	1.7	-0.4
Female	8.9	6.4	6.7	6.0	6.8	5.7	4.9	4.7	4.2	3.7	2.6	1.9	2.0	2.8	+0.9 s
College Plans:															
None or under 4 years	23.2	23.9	21.1	19.5	22.8	18.2	17.3	15.0	13.1	11.7	9.9	5.5	6.1	6.3	+0.2
Complete 4 years	7.1	5.4	5.5	5.3	5.7	5.1	3.9	3.8	3.1	2.8	2.0	1.4	1.5	1.8	+0.3
Region:															
Northeast	6.7	3.7	5.9	5.6	6.0	4.4	4.2	3.5	3.4	2.2	2.0	1.2	1.6	1.2	-0.4
Midwest	9.3	7.8	8.1	7.0	8.6	6.4	3.9	4.4	3.5	4.5	3.2	2.6	2.4	1.8	-0.6
South	10.9	8.6	7.7	7.7	8.5	6.8	6.9	5.8	4.6	4.0	3.0	1.8	2.0	2.8	+0.8
West	5.7	5.8	5.2	4.6	4.0	6.1	3.0	3.0	3.9	2.9	2.0	2.0	2.5	2.7	+0.2
Population Density:															
Large MSA	6.4	4.7	5.2	4.2	4.8	4.0	3.6	2.5	2.8	2.2	1.4	1.5	1.3	1.3	0.0
Other MSA	8.8	7.6	7.5	6.9	7.6	7.0	5.1	4.3	3.7	3.5	2.3	1.9	2.0	2.2	+0.2
Non-MSA	11.6	9.5	7.9	8.5	9.2	7.7	6.9	8.0	6.6	5.9	5.6	2.6	3.8	4.2	+0.4
Parental Education: a															
1.0-2.0 (Low)	14.7	13.8	12.1	10.5	11.4	9.2	7.6	6.3	5.8	5.9	4.7	3.2	3.0	3.5	+0.5
2.5–3.0	12.5	10.2	8.7	8.8	10.2	9.8	7.4	6.5	6.2	4.6	3.6	2.7	2.1	3.8	+1.7 s
3.5-4.0	8.8	7.8	7.3	7.1	8.0	6.3	5.7	5.6	4.8	3.5	2.6	2.1	2.8	2.5	-0.3
4.5–5.0	5.5	3.9	4.7	4.4	4.9	3.9	3.0	2.4	2.6	2.5	2.0	1.3	1.5	1.3	-0.2
5.5-6.0 (High)	4.8	2.4	4.1	3.5	2.9	3.1	2.6	2.9	1.7	2.1	1.4	1.2	1.1	1.4	+0.3
Race/Ethnicity (2-year average): b															
White	9.3	8.1	7.2	7.3	7.6	7.2	5.8	4.7	4.4	4.2	3.4	2.6	1.9	2.1	+0.2
African American	6.0	5.1	4.6	4.4	4.3	4.1	4.0	3.5	2.6	2.2	2.1	1.7	1.4	1.2	-0.2
Hispanic	8.8	8.0	7.0	6.5	6.7	6.9	5.5	4.0	3.5	3.0	2.5	2.0	1.8	2.0	+0.2

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 128
CIGARETTES: Trends in 30-Day Prevalence of Use by Subgroups in Grade 10

						Perce	entage w	ho used	in last 30	days (
	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	2003	2004	2005
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200
Total	20.8	21.5	24.7	25.4	27.9	30.4	29.8	27.6	25.7	23.9	21.3	17.7	16.7	16.0	14.9
Gender:															
Male	20.8	20.6	24.6	26.6	27.7	30.1	28.2	26.2	25.2	23.8	20.9	16.7	16.2	16.2	14.5
Female	20.7	22.2	24.5	23.9	27.9	30.8	31.1	29.1	25.8	23.6	21.5	18.6	17.0	15.7	15.1
College Plans:															
None or under 4 years	36.5	35.0	41.9	42.2	46.3	46.2	47.2	45.2	44.0	38.6	38.1	33.3	33.0	33.1	29.4
Complete 4 years	17.3	18.6	21.0	21.7	24.7	27.8	26.8	24.5	22.7	21.5	18.5	15.1	14.0	13.6	12.9
Region:															
Northeast	22.4	21.9	27.1	24.5	27.8	31.7	29.3	30.1	28.0	23.9	18.1	15.9	16.6	16.6	14.9
Midwest	22.9	24.3	26.0	28.8	30.1	32.5	31.7	29.5	30.2	27.1	24.2	19.2	18.4	14.6	16.2
South	21.2	19.8	24.0	25.7	30.8	33.4	32.2	29.8	26.3	25.5	23.5	19.6	18.2	20.4	16.4
West	16.7	20.2	21.2	20.1	19.6	20.8	23.2	19.6	17.5	16.8	15.0	14.1	12.5	10.9	10.9
Population Density:															
Large MSA	19.7	21.6	22.5	22.3	23.3	26.2	26.6	22.5	22.9	23.1	17.3	14.2	13.1	12.0	11.7
Other MSA	20.3	20.3	23.8	26.3	28.9	31.1	28.9	26.6	25.0	21.3	20.5	17.6	16.6	16.6	14.7
Non-MSA	22.7	23.7	28.2	26.7	31.3	33.9	34.9	35.7	30.4	29.4	27.6	22.6	22.4	20.4	19.8
Parental Education: a															
1.0-2.0 (Low)	23.5	28.4	29.5	26.4	30.9	28.7	28.2	28.0	30.5	29.3	22.5	21.4	23.4	19.3	16.4
2.5–3.0	24.1	23.3	28.0	29.1	33.2	33.8	33.2	33.0	29.6	26.8	25.7	22.4	21.2	19.9	19.7
3.5–4.0	20.4	20.6	24.8	26.0	27.8	31.6	30.9	27.3	26.0	25.3	21.1	17.4	16.2	17.8	15.7
4.5–5.0	18.5	19.5	20.1	22.6	25.9	28.7	28.5	25.7	22.4	21.2	18.9	15.1	13.4	12.6	12.5
5.5-6.0 (High)	18.5	18.9	21.4	20.7	21.8	27.8	24.6	22.5	21.4	19.1	17.1	12.7	11.6	10.8	10.8
Race/Ethnicity (2-year average): b															
White	_	24.1	26.0	27.8	29.7	32.9	34.4	33.2	30.8	28.2	25.7	22.4	20.0	18.7	17.6
African American	_	6.6	7.5	9.8	11.5	12.2	12.8	13.7	12.5	11.1	11.1	9.8	8.9	9.2	8.7
Hispanic	_	18.3	20.5	19.4	21.4	23.7	23.0	21.3	21.1	19.6	16.8	14.3	13.2	13.9	13.5

TABLE 128
CIGARETTES: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

					P	ercentaç	ge who u	sed in la	st 30 da	ys					
	<u>2006</u>	2007	2008	2009	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	2018-2019 <u>change</u>
Approximate weighted N =	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	15,600	14,700	13,500	14,300	14,000	
Total	14.5	14.0	12.3	13.1	13.6	11.8	10.8	9.1	7.2	6.3	4.9	5.0	4.2	3.4	-0.9
Gender:															
Male	13.4	14.6	12.7	13.7	15.0	13.4	12.0	10.5	7.7	6.1	5.0	5.0	4.4	3.9	-0.5
Female	15.5	13.3	11.9	12.5	12.1	10.0	9.6	7.5	6.6	6.3	4.4	4.9	3.7	2.9	-0.8
College Plans:															
None or under 4 years	32.7	30.1	30.1	29.0	32.5	28.5	27.6	23.3	19.4	17.6	14.5	15.0	10.2	8.9	-1.3
Complete 4 years	12.1	11.8	10.0	11.3	11.3	9.9	9.0	7.4	5.8	5.1	3.8	3.7	3.2	2.3	-0.9 s
Region:															
Northeast	11.8	13.1	10.1	11.1	12.1	12.2	10.9	7.2	6.7	6.1	4.4	3.9	2.9	2.1	-0.8
Midwest	18.1	17.1	14.5	12.9	14.5	11.8	9.7	9.3	8.0	7.0	4.7	5.6	4.2	3.3	-0.9
South	15.6	14.4	14.0	16.7	15.4	13.8	13.6	11.8	7.7	7.0	5.5	4.9	5.5	3.7	-1.7 s
West	10.9	11.1	9.6	10.1	11.1	8.5	7.6	6.9	5.8	4.7	4.5	5.5	3.4	3.9	+0.5
Population Density:															
Large MSA	11.5	12.1	10.3	11.4	11.1	9.5	8.4	5.8	5.9	4.9	4.4	4.9	3.0	1.5	-1.5 ss
Other MSA	13.3	13.9	12.3	13.0	13.5	11.5	10.2	9.5	6.0	5.7	4.3	3.8	3.7	3.8	+0.1
Non-MSA	22.4	17.2	15.4	16.1	17.5	15.7	15.4	13.0	12.3	10.4	7.2	8.4	7.6	5.6	-2.0
Parental Education: a															
1.0-2.0 (Low)	20.4	17.5	15.7	18.2	18.8	14.6	15.4	12.8	9.7	9.3	5.5	7.1	5.5	3.9	-1.6
2.5–3.0	19.7	18.4	15.8	16.5	18.6	16.2	14.4	13.6	9.1	8.7	7.1	7.3	5.5	6.2	+0.7
3.5–4.0	15.5	14.7	13.9	13.8	15.1	12.7	11.2	10.2	8.4	7.8	5.3	5.0	4.7	3.6	-1.1
4.5–5.0	10.8	11.3	9.6	10.9	10.0	8.6	9.6	6.0	5.2	5.0	3.5	3.3	3.0	1.7	-1.3 s
5.5-6.0 (High)	10.0	9.7	7.8	8.9	7.7	8.0	7.1	4.9	4.9	3.3	3.4	3.6	3.0	2.1	-0.9
Race/Ethnicity (2-year average): b															
White	16.6	16.2	15.1	14.4	14.7	14.3	12.9	11.4	9.5	7.8	6.8	6.3	5.8	4.6	-1.2 ss
African American	8.0	7.1	6.5	6.8	6.7	7.1	6.7	5.3	4.2	3.8	2.6	2.1	1.8	1.5	-0.4
Hispanic	12.1	10.5	11.1	12.1	12.2	10.5	8.3	8.3	6.8	5.3	4.0	3.4	3.7	3.1	-0.6

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 129
CIGARETTES: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

Percentage who used in last 30 days 1986 1989 1990 1975 1976 <u> 1977</u> 1978 1979 1980 1981 1982 1983 1984 1985 1987 1988 9,400 15,400 17,100 17,800 15,500 15,900 17,500 17,700 16,300 15,900 16,000 15,200 16,300 16,300 16,700 15,200 Total 36.7 38.8 38.4 36.7 34.4 30.5 29.4 30.0 30.3 29.3 30.1 29.6 29.4 28.7 28.6 29.4 Gender: Male 37.2 37.7 36.6 34.5 31.2 26.8 26.5 26.8 28.0 25.9 28.2 27.9 27.0 28.0 27.7 29.1 Female 35.9 39.1 39.6 38.1 37.1 33.4 31.6 32.6 31.6 31.9 31.4 30.6 31.4 28.9 29.0 29.2 College Plans: None or under 4 years 46.3 46.2 44.6 43.0 39.6 38.1 38.7 38.0 37.9 40.5 38.5 39.7 37.5 38.0 37.5 Complete 4 years 29.8 29.4 27.4 26.0 22.3 22.3 22.1 23.3 22.7 22.8 24.0 24.3 24.4 24.1 25.4 Region: Northeast 40.1 41.8 43.0 40.6 37.0 34.1 31.5 32.1 33.5 34.2 35.2 34.1 31.2 29.4 31.9 34.6 Midwest 39.5 41.3 40.5 39.0 36.6 31.5 32.4 33.5 33.2 31.4 34.1 32.5 31.7 31.1 34.9 34.0 South 39.1 37.6 35.7 35.4 31.8 28.9 29.4 28.7 25.6 26.1 26.0 28.0 26.1 36.2 28.6 26.4 West 26.3 28.3 27.7 27.3 24.8 21.2 21.8 20.4 21.8 22.9 26.3 23.3 26.6 23.9 22.7 25.1 Population Density: Large MSA 39.7 40.4 40.9 37.5 33.4 31.2 30.6 32.1 30.8 31.3 31.9 30.8 29.3 26.9 25.9 27.9 Other MSA 35.1 35.9 36.1 34.3 33.5 29.7 27.4 27.8 29.1 28.2 28.5 28.0 28.2 28.3 28.2 29.6 Non-MSA 36.7 40.9 39.2 39.4 36.4 30.9 30.9 31.2 31.5 29.3 30.8 31.0 31.8 31.4 32.2 30.4 Parental Education: a 1.0-2.0 (Low) 39.6 38.1 38.1 32.7 32.5 32.6 32.7 33.6 32.3 28.6 28.8 28.1 25.4 26.3 37.2 43.2 2.5-3.0 37.0 41.2 40.8 39.3 35.9 34.2 31.7 32.0 32.2 31.8 32.3 32.3 31.4 29.9 30.8 30.8 3.5-4.0 35.3 37.3 34.0 33.3 28.0 28.2 29.0 28.0 28.1 29.7 29.7 28.8 27.8 29.4 29.3 31.9 4.5-5.0 32.3 35.0 33.0 32.6 30.1 25.7 26.0 25.5 27.8 25.2 27.7 26.4 27.6 28.6 27.0 29.1 5.5-6.0 (High) 30.8 32.8 29.6 22.5 25.1 25.5 23.7 22.6 26.7 29.3 27.8 28.6 26.8 31.9 24.0 26.3 Race/Ethnicity (2-year average): b White 31.3 32.2 32.3 38.3 37.6 36.0 33.0 30.5 30.7 31.2 31.3 31.9 32.1 32.2 African American 36.7 32.7 30.2 26.8 23.7 21.8 21.2 19.3 18.1 16.9 14.2 13.3 12.6 12.2 Hispanic 35.7 32.8 23.2 24.7 25.5 22.7 26.8 22.6 24.7 25.3 23.7 21.9 20.6 21.7

TABLE 129 (cont.) **CIGARETTES:** Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

Percentage who used in last 30 days 1993 2006 1991 1992 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 Approximate weighted N = 15,000 15,800 16,300 15,400 15,400 14,300 15,400 15,200 13,600 12,800 12,800 12,900 14,600 14,600 14,700 14,200 Total 28.3 27.8 29.9 31.2 33.5 34.0 36.5 35.1 34.6 31.4 29.5 26.7 24.4 25.0 23.2 21.6 Gender: 36.3 Male 29.0 29.2 30.7 32.9 34.5 34.9 37.3 35.4 32.8 29.7 27.4 26.2 25.3 24.8 22.4 Female 27.5 26.1 28.7 29.2 32.0 32.4 35.2 33.3 33.5 29.7 28.7 25.5 22.1 24.1 20.7 20.1 College Plans: None or under 4 years 38.1 38.6 37.3 40.9 43.5 45.0 45.7 46.7 44.9 43.6 40.8 37.5 36.2 36.8 34.8 32.9 Complete 4 years 24.2 23.8 27.3 28.0 29.9 30.8 33.1 31.3 31.4 27.3 25.9 23.6 20.8 21.6 20.0 18.6 Region: Northeast 30.5 29.6 34.2 33.2 34.4 38.5 40.6 35.9 33.1 30.3 27.3 25.0 25.9 22.0 23.1 34.2 Midwest 34.6 31.7 33.2 36.2 37.8 37.7 39.3 40.0 37.8 35.6 35.9 31.7 27.3 28.3 26.8 23.6 South 26.4 29.0 30.7 33.5 33.2 35.0 36.2 29.6 25.9 27.2 24.3 24.6 23.2 25.4 34.3 24.6 West 23.2 22.8 22.9 24.0 26.5 24.4 30.5 29.1 27.6 28.1 25.2 19.4 20.7 20.1 17.5 15.0 Population Density: Large MSA 26.2 25.6 29.5 29.0 33.9 32.1 34.9 32.9 30.0 27.4 27.3 24.8 18.9 20.8 20.8 20.7 Other MSA 29.3 26.9 29.8 31.1 31.7 32.6 35.7 34.2 35.0 31.5 28.2 26.2 25.1 26.3 22.6 20.3 Non-MSA 28.6 31.5 30.3 33.8 36.2 38.2 40.0 39.7 38.7 36.3 34.3 30.1 30.4 27.6 27.4 25.3 Parental Education: a 1.0-2.0 (Low) 27.1 26.5 26.2 31.2 31.5 31.2 32.3 33.0 31.3 20.9 23.5 21.0 19.1 21.1 31.3 24.8 2.5-3.0 28.7 30.3 30.4 32.8 35.0 35.5 36.5 36.0 37.3 32.2 31.5 28.9 27.0 28.7 27.3 24.7 3.5-4.0 27.8 29.9 31.4 33.2 33.2 35.6 36.7 35.0 32.8 30.3 28.6 24.3 26.3 24.8 22.9 28.4 4.5-5.0 26.9 25.8 30.1 32.0 32.6 34.5 37.5 34.2 32.4 30.2 29.3 25.0 22.6 23.8 21.8 19.2 5.5-6.0 (High) 27.1 25.5 30.4 34.0 32.9 38.5 33.1 27.4 25.0 25.3 19.9 30.5 34.4 21.0 18.0 17.4 Race/Ethnicity (2-year average): b White 25.9 32.2 31.8 33.2 35.2 36.6 38.1 40.7 41.7 40.1 37.9 35.3 32.5 29.4 28.2 27.6 African American 10.6 8.7 9.5 10.9 12.9 14.2 14.3 14.9 14.9 14.3 13.3 12.1 10.0 10.1 10.7 10.5 Hispanic 24.2 23.6 25.4 27.3 27.7 23.8

25.1

25.9

26.6

21.3

19.0

18.5

17.1

16.0

24.0

25.0

TABLE 129 (cont.)

CIGARETTES: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

					Perce	entage w	ho used	in last 30	days					
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2018-2019 <u>change</u>
Approximate weighted N =		14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	<u>criange</u>
Total	21.6	20.4	20.1	19.2	18.7	17.1	16.3	13.6	11.4	10.5	9.7	7.6	5.7	-1.9 sss
Gender:														
Male	23.1	21.5	22.1	21.9	21.5	19.3	18.4	15.2	13.0	12.7	10.6	8.4	6.9	-1.4
Female	19.6	19.1	17.6	15.7	15.1	14.5	13.2	11.6	9.1	8.1	8.3	5.9	4.0	-1.9 sss
College Plans:														
None or under 4 years	32.4	32.4	31.2	31.2	32.2	27.9	28.9	25.3	21.9	19.2	16.5	14.6	10.7	-3.9 ss
Complete 4 years	19.0	17.6	17.3	16.3	15.6	14.7	13.0	10.8	8.9	8.4	8.0	5.2	4.0	-1.1 s
Region:														
Northeast	23.8	19.7	18.9	18.2	17.8	18.8	17.0	11.7	10.8	10.9	9.6	6.4	3.7	-2.7 ss
Midwest	24.7	22.1	25.7	21.5	21.8	21.0	16.5	13.8	12.7	12.0	9.6	7.3	5.7	-1.7
South	21.9	22.4	20.0	20.5	18.4	15.6	18.6	15.4	12.5	10.8	11.2	9.2	6.6	-2.7 ss
West	15.8	15.8	14.7	15.3	16.4	13.9	12.1	11.9	8.6	8.3	7.1	6.1	5.8	-0.3
Population Density:														
Large MSA	19.9	18.8	17.7	18.7	17.2	15.8	14.5	11.7	9.3	8.4	7.4	5.3	3.4	-1.9 ss
Other MSA	20.8	19.5	19.1	17.9	18.1	15.6	15.5	12.9	10.5	9.9	9.5	6.8	6.0	-0.8
Non-MSA	25.9	24.3	25.5	23.1	22.3	23.1	20.9	17.8	17.0	15.1	13.8	13.9	9.0	-4.9 sss
Parental Education: ^a														
1.0–2.0 (Low)	20.5	18.5	19.9	17.0	18.2	17.0	18.2	14.8	12.9	9.9	7.9	6.9	7.2	+0.3
2.5–3.0	24.7	22.4	23.2	21.6	22.4	19.0	18.2	16.1	13.9	12.0	11.3	8.0	6.6	-1.5
3.5–4.0	21.6	21.3	21.0	20.9	19.6	20.1	18.5	14.2	12.2	11.9	10.4	8.1	5.3	-2.8 sss
4.5–5.0	20.5	18.6	18.0	17.5	15.9	15.7	14.1	12.0	9.7	9.1	8.7	6.6	4.7	-1.9 s
5.5-6.0 (High)	18.4	19.2	15.3	12.8	14.3	11.2	9.5	9.4	7.5	7.6	8.1	5.9	4.2	-1.6
Race/Ethnicity (2-year average): b														
White	24.9	24.7	23.9	22.9	22.2	21.2	19.4	17.5	15.0	13.2	12.7	11.0	7.9	-3.0 sss
African American	10.8	10.3	9.8	10.1	9.7	8.6	9.6	9.0	6.9	6.0	5.0	4.1	3.2	-0.9
Hispanic	15.3	15.0	15.7	15.0	14.3	13.2	12.4	11.4	9.6	8.2	6.9	5.2	4.5	-0.7

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 130
CIGARETTES: Trends in 30-Day Prevalence of Daily Use by Subgroups in Grade 8

						Percenta	age who	used da	ily in last	30 days	5				
	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	2003	<u>2004</u>	<u>2005</u>
Approximate weighted N =		18,600	18,300	17,300	17,500	17,800	18,600	-,	-,	16,700	16,200	15,100	16,500	17,000	16,800
Total	7.2	7.0	8.3	8.8	9.3	10.4	9.0	8.8	8.1	7.4	5.5	5.1	4.5	4.4	4.0
Gender:															
Male	8.1	6.9	8.8	9.5	9.2	10.5	9.0	8.1	7.4	7.0	5.9	5.4	4.4	4.3	3.9
Female	6.2	7.2	7.8	8.0	9.2	10.1	8.7	9.0	8.4	7.5	4.9	4.9	4.5	4.3	4.0
College Plans:															
None or under 4 years	18.5	20.1	21.5	22.6	22.5	26.0	25.4	25.2	25.2	21.7	17.7	17.1	16.1	15.4	14.4
Complete 4 years	5.3	5.1	6.4	6.8	7.5	8.0	6.9	6.6	5.9	5.6	3.9	3.9	3.2	3.1	2.9
Region:															
Northeast	7.2	7.1	7.1	8.6	9.2	11.0	8.8	6.1	7.2	6.9	6.1	3.7	2.9	3.3	3.2
Midwest	7.8	7.6	8.5	9.4	11.0	12.4	10.3	11.2	11.5	9.0	6.4	5.7	5.5	5.7	4.8
South	7.9	7.8	9.3	9.4	9.4	10.4	9.5	10.2	8.5	7.8	6.1	6.6	5.7	4.7	5.0
West	4.6	4.8	7.4	7.4	7.0	7.5	6.8	5.8	3.8	4.9	2.6	2.9	2.4	3.3	2.4
Population Density:															
Large MSA	6.3	6.3	5.7	6.6	7.6	9.5	7.0	6.7	5.4	5.6	4.1	3.2	3.0	3.5	2.3
Other MSA	7.7	7.2	9.1	9.5	9.3	10.2	8.7	7.9	7.4	6.3	5.4	5.1	4.3	4.1	4.1
Non-MSA	7.3	7.8	10.1	9.6	11.1	11.8	11.7	12.7	12.7	11.8	7.2	7.6	7.0	5.9	6.2
Parental Education: a															
1.0-2.0 (Low)	15.9	11.9	12.7	13.0	15.8	13.6	14.3	13.0	14.7	13.1	11.1	10.6	9.1	10.1	7.8
2.5–3.0	8.6	8.4	9.7	11.3	11.3	14.0	11.7	12.0	11.4	11.3	7.5	7.1	6.6	5.6	6.3
3.5-4.0	6.5	6.9	8.5	8.9	9.4	10.1	9.2	9.7	8.1	6.7	5.1	5.4	4.4	4.2	4.3
4.5–5.0	4.0	5.2	5.9	6.1	7.2	7.6	6.8	5.7	4.6	3.9	3.0	3.3	2.6	2.8	2.2
5.5-6.0 (High)	4.9	4.2	6.3	5.8	5.7	7.4	5.5	5.2	5.1	4.1	3.1	2.1	2.1	1.9	1.4
Race/Ethnicity (2-year average)> b															
White	_	7.7	8.8	9.7	10.5	11.7	11.4	10.4	9.7	9.0	7.5	6.0	5.3	4.7	4.6

1.4 1.8

7.3 7.2

2.6

9.0

2.8

9.2

3.2 3.7 3.8

8.0 8.1

3.8 3.2 2.8 2.8 2.9 2.7 2.1

5.0 4.4 3.7 3.5 3.1

8.5 7.1

African American

Hispanic

TABLE 130 (cont.)

CIGARETTES: Trends in 30-Day Prevalence of Daily Use by Subgroups in Grade 8

					Per	centage	who use	d daily ir	last 30	days					
															2018-2019
	2006	2007	2008	2009	<u>2010</u>	<u>2011</u>	2012	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>
Approximate weighted N =		16,100	15,700		15,300	16,000	-,	14,600	,	14,400	16,900	-,	14,000	13,600	
Total	4.0	3.0	3.1	2.7	2.9	2.4	1.9	1.8	1.4	1.3	0.9	0.6	8.0	8.0	-0.1
Gender:															
Male	4.0	3.4	3.2	2.9	3.5	2.5	2.0	1.7	1.2	1.1	1.0	0.6	0.9	0.6	-0.3
Female	3.8	2.6	2.9	2.3	2.3	2.2	1.6	1.8	1.3	1.4	8.0	0.5	0.6	0.9	+0.3
College Plans:															
None or under 4 years	13.2	12.3	10.8	10.9	12.8	8.1	8.0	8.3	4.7	5.9	4.4	1.8	3.3	2.8	-0.5
Complete 4 years	2.9	2.2	2.3	1.9	2.0	1.9	1.4	1.4	1.0	0.9	0.5	0.4	0.4	0.5	+0.1
Region:															
Northeast	3.0	1.7	2.4	2.1	2.4	1.4	1.8	1.3	1.2	0.7	0.6	0.2	0.5	0.4	-0.1
Midwest	4.7	3.8	3.9	3.0	3.3	2.3	1.3	1.5	0.9	1.6	1.0	8.0	1.0	0.6	-0.4
South	5.3	3.8	3.7	3.2	3.8	2.9	2.9	2.6	1.9	1.5	1.0	0.6	8.0	8.0	0.0
West	1.8	1.9	2.0	2.0	1.4	2.3	0.8	1.2	1.1	1.1	0.9	0.6	1.0	1.2	+0.2
Population Density:															
Large MSA	2.3	1.6	2.2	1.6	1.7	1.2	1.4	0.8	1.1	0.6	0.4	0.4	0.5	0.4	-0.1
Other MSA	4.1	3.1	3.3	3.0	3.1	3.2	2.0	1.8	1.3	1.2	0.7	0.6	0.9	0.7	-0.1
Non-MSA	6.3	5.0	4.2	3.7	4.3	2.7	2.8	3.4	2.1	2.7	2.5	0.9	1.4	1.5	+0.1
Parental Education: a															
1.0-2.0 (Low)	7.3	5.5	5.4	6.2	4.2	3.9	2.6	2.7	2.6	1.7	2.2	1.1	1.0	1.1	+0.1
2.5–3.0	6.6	4.9	4.4	3.4	4.8	3.9	3.3	3.0	1.9	1.9	1.2	0.7	0.8	1.3	+0.5
3.5-4.0	3.8	3.6	3.0	2.5	2.8	2.9	2.2	2.0	1.6	1.6	0.6	0.6	1.1	0.6	-0.4
4.5–5.0	2.1	1.5	1.9	1.8	1.9	1.4	0.9	1.0	8.0	8.0	0.6	0.3	0.5	0.4	-0.1
5.5-6.0 (High)	1.8	0.7	1.9	1.4	1.0	0.9	1.0	1.0	0.5	0.4	0.5	0.3	0.5	0.7	+0.2
Race/Ethnicity (2-year average)>b															
White	4.6	3.9	3.3	3.2	3.2	3.0	2.4	2.0	1.7	1.4	1.2	0.9	0.6	0.7	+0.1
African American	1.9	2.1	1.9	2.0	1.9	1.5	1.6	1.5	1.2	0.9	0.5	0.4	0.5	0.5	-0.1
Hispanic	2.8	2.8	2.5	2.2	2.3	2.4	1.8	1.4	1.3	1.0	0.8	0.6	0.4	0.6	+0.1

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 131
CIGARETTES: Trends in 30-Day Prevalence of <u>Daily</u> Use by Subgroups in <u>Grade 10</u>

	Percentage who used daily in last 30 days														
Approximate weighted N =	<u>1991</u> 14,800	<u>1992</u> 14,800	<u>1993</u> 15,300	<u>1994</u> 15,800	<u>1995</u> 17,000	<u>1996</u> 15,600	<u>1997</u> 15,500	<u>1998</u> 15,000	<u>1999</u> 13,600	2000 14,300	<u>2001</u> 14,000	2002 14,300	2003 15,800	2004 16,400	2005 16,200
Total	12.6	12.3	14.2	14.6	16.3	18.3	18.0	15.8	15.9	14.0	12.2	10.1	8.9	8.3	7.5
Gender:															
Male	12.4	12.1	13.8	15.2	16.3	18.1	17.2	14.7	15.6	13.7	12.4	9.4	8.6	8.2	7.2
Female	12.5	12.4	14.3	13.7	16.1	18.6	18.5	16.8	15.9	14.1	11.9	10.8	9.0	8.2	7.7
College Plans:															
None or under 4 years	25.7	25.5	28.9	28.9	32.7	34.3	35.4	31.7	32.1	28.8	27.3	22.9	22.1	21.4	19.2
Complete 4 years	9.6	9.5	11.0	11.5	13.3	15.5	15.0	12.9	13.2	11.6	9.6	7.9	6.7	6.4	5.9
Region:															
Northeast	14.3	13.1	16.3	14.1	15.8	18.8	18.0	18.7	17.7	14.1	11.0	8.3	8.6	8.5	7.6
Midwest	14.3	14.3	15.1	16.9	17.6	20.6	19.5	17.3	19.6	16.3	13.2	11.5	10.2	7.4	8.6
South	12.8	11.4	13.9	15.5	19.3	20.5	20.5	17.1	16.3	15.7	14.3	11.3	10.1	11.0	8.8
West	9.1	10.7	10.9	9.7	9.4	10.7	11.1	8.8	9.1	7.8	7.0	7.8	6.0	5.2	4.0
Population Density:															
Large MSA	12.3	11.7	12.3	12.0	12.6	15.3	15.7	12.2	13.2	13.8	9.6	7.4	6.1	5.6	5.5
Other MSA	11.7	11.6	13.6	15.5	17.5	18.8	16.9	15.1	15.5	12.1	11.6	10.4	8.7	8.1	7.0
Non-MSA	14.3	14.5	16.9	15.5	18.4	20.8	22.5	21.1	19.7	17.5	16.3	13.1	13.7	12.3	11.4
Parental Education: a															
1.0-2.0 (Low)	16.0	17.8	19.3	15.5	20.0	19.3	17.7	17.4	20.1	18.9	12.9	14.1	15.3	11.4	9.9
2.5–3.0	15.5	13.9	16.9	17.6	21.6	23.1	22.1	21.3	19.1	17.6	16.2	14.7	12.7	11.5	11.1
3.5-4.0	12.0	11.8	13.6	15.9	17.0	19.4	18.9	14.9	16.6	14.2	12.2	10.0	8.8	9.3	7.9
4.5–5.0	10.6	10.5	10.7	11.5	12.6	14.8	15.6	12.9	13.0	11.5	9.7	6.8	5.8	5.4	5.2
5.5-6.0 (High)	9.6	9.0	10.5	9.6	10.3	13.6	12.0	11.1	11.2	9.8	8.3	6.4	4.5	4.2	4.4
Race/Ethnicity (2-year average): b															
White	_	14.5	15.3	16.5	17.6	20.0	21.4	20.3	19.1	17.7	15.5	13.3	11.4	10.0	9.1
African American	_	2.8	3.1	3.8	4.7	5.1	5.6	5.8	5.3	5.2	5.2	5.0	4.3	4.4	3.9
Hispanic	_	8.4	8.9	8.1	9.9	11.6	10.8	9.4	9.1	8.8	7.4	6.4	6.0	6.0	5.9

TABLE 131 (cont.)
CIGARETTES: Trends in 30-Day Prevalence of <u>Daily</u> Use by Subgroups in <u>Grade 10</u>

	Percentage who used daily in last 30 days											0040 0040			
															2018-2019
Approximate weighted N =	2006 16 200	2007 16,100	2008 15,100	2009 15.900	2010 15,200	2011 14.900	2012 15.000	2013 12,900	2014 13.000	2015 15.600	2016 14.700	2017 13,500	2018 14,300	<u>2019</u> 14.000	<u>change</u>
Total	7.6	7.2	5.9	6.3	6.6	5.5	5.0	4.4	3.2	3.0	1.9	2.2	1.8	1.3	-0.5
Gender:	7.0	1.2	0.0	0.0	0.0	0.0	5.0	7.7	0.2	0.0	1.5	2.2	1.0	1.0	-0.5
Male	6.9	7.7	6.2	6.9	7.2	6.4	5.6	5.4	3.5	2.8	2.2	2.3	1.9	1.5	-0.4
Female	8.1	6.6	5.5	5.6	5.9	4.5	4.4	3.4	2.8	2.8	1.5	1.9	1.5	1.2	-0.4
College Plans:	0.1	0.0	0.0	0.0	0.0	1.0	-1.1	0.4	2.0	2.0	1.0	1.0	1.0	1.2	0.0
None or under 4 years	21.7	18.9	17.9	17.3	19.1	17.1	17.0	13.4	10.5	10.8	7.2	8.9	5.1	3.6	-1.4
Complete 4 years	5.6	5.6	4.3	5.0	5.0	4.2	3.7	3.4	2.3	2.0	1.2	1.4	1.2	0.9	-0.4
Region:	0.0	0.0	1.0	0.0	0.0	7.2	0.1	0.4	2.0	2.0	1.2		1.2	0.0	0.4
Northeast	6.2	6.8	5.3	5.3	5.7	6.3	5.1	3.6	2.8	2.7	1.6	2.2	1.0	0.4	-0.6 s
Midwest	10.3	10.0	7.6	5.8	7.3	5.7	4.4	4.9	3.9	2.8	2.3	2.8	1.8	1.6	-0.2
South	8.4	7.2	6.9	8.5	7.9	6.6	6.9	5.7	3.4	3.6	2.2	2.1	2.6	1.5	-1.1
West	4.2	4.7	3.4	4.3	4.4	3.0	2.6	3.1	2.4	2.3	1.4	2.1	1.1	1.3	+0.2
Population Density:															
Large MSA	5.4	5.7	4.3	5.2	4.8	4.3	3.6	2.3	2.5	2.1	1.6	1.7	1.1	0.4	-0.7 s
Other MSA	6.7	7.2	6.2	6.0	6.3	5.3	4.7	4.8	2.6	2.5	1.6	1.5	1.4	1.6	+0.1
Non-MSA	13.2	9.6	7.5	8.5	9.7	7.6	7.4	6.8	5.7	5.5	3.2	4.9	3.8	2.2	-1.6 s
Parental Education: a															
1.0-2.0 (Low)	12.5	9.8	7.6	9.4	10.0	8.2	8.0	6.8	4.6	5.2	2.4	3.8	3.2	1.5	-1.7 s
2.5–3.0	11.9	10.8	8.7	8.7	10.1	8.9	7.5	7.2	4.7	4.6	3.0	3.5	2.8	2.5	-0.3
3.5-4.0	7.8	7.2	6.7	6.7	7.1	5.6	4.5	4.7	3.9	3.4	1.9	2.5	1.9	1.5	-0.5
4.5–5.0	4.4	5.5	3.8	4.6	3.9	3.3	4.3	2.8	1.8	2.1	1.2	1.1	1.0	0.4	-0.6 s
5.5-6.0 (High)	4.3	3.5	3.0	3.5	3.1	2.5	2.8	1.9	1.6	1.0	1.0	1.0	0.8	8.0	+0.0
Race/Ethnicity (2-year average): b															
White	8.7	8.8	8.0	7.1	7.4	7.1	6.2	5.7	4.8	3.5	2.8	2.5	2.4	1.9	-0.5 s
African American	3.3	3.2	3.0	3.2	3.5	3.5	2.9	2.6	2.3	2.1	1.3	0.9	1.0	0.8	-0.1
Hispanic	5.3	3.8	3.8	4.5	4.4	3.8	3.0	2.6	2.3	2.1	1.9	1.6	1.6	1.1	-0.4 s

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes

TABLE 132
CIGARETTES: Trends in 30-Day Prevalence of <u>Daily</u> Use by Subgroups in <u>Grade 12</u>

	Percentage who used daily in last 30 days															
Approximate weighted N =	<u>1975</u> 9,400	<u>1976</u> 15,400	<u>1977</u> 17,100	<u>1978</u> 17,800	<u>1979</u> 15,500	<u>1980</u> 15,900	<u>1981</u> 17,500	<u>1982</u> 17,700	<u>1983</u> 16,300	<u>1984</u> 15,900	<u>1985</u> 16,000	<u>1986</u> 15,200	1987 16,300	<u>1988</u> 16,300	<u>1989</u> 16,700	<u>1990</u> 15,200
Total	26.9	28.8	28.8	27.5	25.4	21.3	20.3	21.1	21.2	18.7	19.5	18.7	18.7	18.1	18.9	19.1
Gender:																
Male	26.9	28.0	27.1	26.0	22.3	18.5	18.1	18.2	19.2	16.0	17.8	16.9	16.4	17.4	17.9	18.6
Female	26.4	28.8	30.0	28.3	27.8	23.5	21.7	23.2	22.2	20.5	20.6	19.8	20.6	18.1	19.4	19.3
College Plans:																
None or under 4 years	_	36.5	37.2	35.2	33.8	29.7	29.3	29.5	29.3	27.2	29.6	28.2	29.0	27.4	27.9	28.3
Complete 4 years	_	19.8	19.3	18.3	17.0	13.8	12.9	13.2	13.8	11.9	12.4	12.8	13.3	13.4	14.6	14.7
Region:																
Northeast	31.4	32.3	33.8	32.5	28.6	24.1	23.3	23.4	26.1	23.6	24.9	24.9	24.8	21.4	21.3	22.8
Midwest	28.6	30.2	29.4	28.6	27.0	22.0	23.0	24.0	23.4	20.4	22.4	19.9	20.3	19.0	23.0	22.2
South	26.2	29.1	28.7	26.4	25.8	22.6	19.1	20.2	19.4	17.7	16.0	15.8	15.7	17.7	17.1	16.5
West	17.3	19.4	19.2	19.1	17.0	14.0	13.1	12.7	13.0	12.4	14.2	13.4	14.9	14.0	13.8	14.8
Population Density:																
Large MSA	30.8	30.4	30.9	29.2	24.5	21.6	21.9	23.5	22.1	21.5	21.9	20.6	20.3	18.0	16.7	19.0
Other MSA	25.6	27.1	27.2	25.7	25.0	21.3	19.0	19.3	20.2	17.4	17.7	17.0	17.6	17.7	19.0	19.0
Non-MSA	25.8	29.5	29.1	28.7	26.5	21.2	20.7	21.3	21.7	18.2	19.9	19.8	19.3	18.8	20.9	19.5
Parental Education: ^a																
1.0-2.0 (Low)	27.2	32.7	29.6	28.6	29.1	23.7	24.1	24.6	24.0	23.2	22.7	20.4	19.7	19.2	17.1	16.7
2.5–3.0	27.2	31.3	31.5	30.3	26.5	24.7	22.5	23.1	23.2	21.5	21.8	21.4	21.1	19.6	21.5	21.0
3.5-4.0	22.1	25.8	28.1	24.8	24.5	19.4	19.0	19.7	18.8	16.4	19.3	19.4	17.8	17.5	19.0	19.3
4.5–5.0	22.9	24.5	23.7	23.2	21.2	16.6	16.1	16.8	17.5	14.1	16.0	13.9	16.5	16.5	17.2	18.3
5.5-6.0 (High)	17.4	22.8	21.7	22.8	20.6	15.0	13.9	14.5	17.2	14.1	11.2	13.6	16.6	15.1	15.8	16.5
Race/Ethnicity (2-year average): b																
White	_	_	28.9	28.3	26.9	23.9	21.4	21.6	22.1	21.0	20.4	20.6	20.5	20.6	21.1	21.8
African American	_	_	24.9	22.7	20.9	17.4	14.6	13.1	12.5	10.7	9.9	9.4	7.9	7.3	6.4	5.8
Hispanic	_		22.6	20.4	15.8	12.8	13.6	14.3	14.9	13.9	11.8	11.3	11.0	10.9	10.8	10.9

TABLE 132 (cont.)

CIGARETTES: Trends in 30-Day Prevalence of <u>Daily</u> Use by Subgroups in <u>Grade 12</u>

						Per	centage	who use	d daily in	last 30 d	days					
Approximate weighted N =	<u>1991</u>	<u>1992</u> 15.800	<u>1993</u> 16.300	<u>1994</u> 15.400	<u>1995</u> 15.400	<u>1996</u> 14.300	<u>1997</u> 15,400	<u>1998</u> 15.200	<u>1999</u> 13.600	2000 12,800	2001 12.800	2002 12.900	2003 14.600	2004 14.600	2005 14.700	2006 14,200
Total	18.5	17.2	19.0	19.4	21.6	22.2	24.6	22.4	23.1	20.6	19.0	16.9	15.8	15.6	13.6	12.2
Gender:	10.5	17.2	19.0	13.4	21.0	22.2	24.0	22.4	20.1	20.0	13.0	10.9	13.0	13.0	13.0	12.2
Male	18.8	17.2	19.4	20.4	21.7	22.2	24.8	22.7	23.6	20.9	18.4	17.2	17.0	15.4	14.6	12.0
Female	17.9	16.7	18.2	18.1	20.8	21.8	23.6	21.5	22.2	19.7	18.9	16.1	14.0	15.0	11.9	11.8
College Plans:	17.5	10.7	10.2	10.1	20.0	21.0	20.0	21.0	22.2	13.7	10.3	10.1	14.0	13.0	11.3	11.0
None or under 4 years	28.4	28.1	27.8	29.8	33.7	33.2	35.6	34.6	34.2	31.7	30.1	27.6	27.9	26.9	24.9	22.8
Complete 4 years	14.1	12.9	15.9	15.7	17.4	18.9	20.6	18.4	19.5	16.6	15.5	13.8	12.1	12.2	10.5	9.4
Region:	14.1	12.5	10.5	10.7	11.4	10.5	20.0	10.4	10.0	10.0	10.0	10.0	12.1	12.2	10.0	5.4
Northeast	20.9	19.4	23.5	21.3	22.5	27.0	29.4	23.4	23.2	22.8	21.9	18.4	16.4	16.2	13.3	14.3
Midwest	23.0	19.0	21.3	23.8	25.7	26.1	28.0	27.8	25.9	23.6	25.2	22.5	18.2	18.5	16.3	13.2
South	16.4	16.7	18.5	19.3	21.7	20.5	22.6	21.8	24.2	19.4	15.5	16.6	16.3	15.8	15.4	13.3
West	13.9	13.3	13.0	12.4	14.5	13.8	17.5	15.5	17.3	16.9	13.4	9.5	11.8	10.1	7.6	7.0
Population Density:	10.0	10.0	10.0	12.4	14.0	10.0	17.0	10.0	17.0	10.5	10.4	0.0	11.0	10.1	7.0	7.0
Large MSA	16.7	16.6	17.3	17.7	21.3	20.7	23.7	20.6	18.6	16.7	17.4	15.0	11.5	12.6	11.4	10.3
Other MSA	19.0	15.9	19.7	19.2	19.9	21.9	23.9	21.2	22.8	21.1	17.5	16.7	15.9	16.1	12.7	11.5
Non-MSA	19.0	20.3	19.2	21.6	24.8	24.1	26.8	27.2	28.5	24.5	23.9	19.8	21.4	18.0	18.2	16.2
Parental Education: ^a	10.0	20.0	10.2	21.0	21.0	21.1	20.0	21.2	20.0	21.0	20.0	10.0	2	10.0	10.2	10.2
1.0–2.0 (Low)	21.2	16.5	17.6	16.9	21.3	21.1	21.9	21.7	23.8	22.8	16.4	12.4	15.1	14.2	11.7	11.4
2.5–3.0	19.8	20.4	20.2	22.4	24.6	24.4	26.0	24.7	26.9	22.9	21.9	19.8	18.3	19.4	18.3	16.1
3.5–4.0	18.5	16.9	18.9	18.9	21.6	21.2	23.8	23.8	23.6	21.2	19.9	19.1	16.5	16.3	14.4	12.3
4.5–5.0	16.2	15.0	18.9	18.7	19.7	22.4	24.9	20.6	20.6	18.6	17.9	14.1	13.0	13.7	11.7	10.4
5.5–6.0 (High)	16.1	12.8	16.6	17.3	18.5	20.0	22.9	17.4	19.0	15.2	13.4	14.3	11.3	10.3	8.1	8.3
Race/Ethnicity (2-year average): b																
White	21.5	20.5	21.4	22.9	23.9	25.4	27.8	28.3	26.9	25.7	23.8	21.8	19.5	18.3	17.1	15.3
African American	5.1	4.2	4.1	4.9	6.1	7.0	7.2	7.4	7.7	8.0	7.5	6.4	5.4	5.2	5.6	5.7
Hispanic	11.5	12.5	11.8	10.6	11.6	12.9	14.0	13.6	14.0	15.7	12.0	9.2	8.0	8.2	7.7	7.0

TABLE 132 (cont.)

CIGARETTES: Trends in 30-Day Prevalence of <u>Daily</u> Use by Subgroups in <u>Grade 12</u>

					Percent	age who	used da	ily in last	30 days					
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2018-2019 <u>change</u>
Approximate weighted N =		<u>2006</u> 14,000	13.700	<u>2010</u> 14,400	14.100	13,700	12,600	<u>2014</u> 12,400	12,900	11.800	12.600	13,300	<u>2019</u> 12.900	<u>change</u>
Total	12.3	11.4	11.2	10.7	10.3	9.3	8.5	6.7	5.5	4.8	4.2	3.6	2.4	-1.3 sss
Gender:														
Male	13.0	12.0	11.8	12.3	11.6	10.9	9.7	7.9	6.6	5.6	4.3	3.8	2.8	-1.1 s
Female	11.2	10.6	9.9	8.7	8.6	7.3	6.5	5.4	3.9	3.7	3.8	2.6	1.6	-1.0 ss
College Plans:														
None or under 4 years	22.5	21.1	20.9	21.6	21.0	18.4	18.8	14.0	14.1	10.3	8.7	8.6	5.6	-3.0 ss
Complete 4 years	9.9	9.0	8.6	8.2	7.9	7.0	5.8	5.0	3.5	3.4	3.1	1.9	1.3	-0.6 s
Region:														
Northeast	14.3	11.3	10.8	10.3	10.2	11.3	9.8	6.8	5.4	5.9	4.1	2.3	1.8	-0.5
Midwest	14.5	12.9	15.4	12.5	11.7	11.6	8.4	6.6	6.6	5.5	4.3	3.5	2.2	-1.3 s
South	12.9	13.1	11.4	12.3	10.8	9.0	10.5	8.2	6.1	5.0	5.2	4.9	2.7	-2.2 sss
West	7.4	7.0	5.9	6.7	7.9	5.8	4.6	4.5	3.5	3.0	2.7	2.5	2.4	-0.1
Population Density:														
Large MSA	10.3	8.9	8.6	9.9	9.2	8.3	7.2	5.4	4.0	3.4	2.8	2.1	1.2	-0.9 sss
Other MSA	11.7	11.2	11.0	9.9	9.5	8.2	7.9	6.3	5.0	4.7	4.0	3.3	2.3	-1.0
Non-MSA	16.6	14.8	15.1	14.0	13.7	13.5	11.8	9.6	9.4	7.2	7.3	7.1	4.5	-2.6 ss
Parental Education: a														
1.0–2.0 (Low)	14.6	11.9	11.2	8.9	9.9	9.6	10.2	6.9	7.2	5.0	3.8	3.7	2.9	-0.8
2.5–3.0	15.1	13.4	14.7	13.9	13.5	11.6	10.4	8.9	7.8	6.2	5.3	4.6	3.4	-1.1
3.5–4.0	12.3	12.5	11.5	11.6	10.7	11.2	10.0	6.7	5.8	5.2	4.6	3.9	2.4	-1.5 ss
4.5–5.0	11.2	9.0	9.0	8.7	8.2	7.1	6.4	5.8	3.7	3.6	3.6	2.3	1.2	-1.1 s
5.5-6.0 (High)	7.4	9.1	5.8	6.1	6.7	4.7	3.6	4.7	3.1	2.6	2.6	1.4	1.1	-0.2
Race/Ethnicity (2-year average): b														
White	14.5	14.3	13.9	13.5	13.0	12.1	10.9	9.3	7.3	6.1	5.8	5.0	3.5	-1.6 sss
African American	5.8	5.8	5.4	5.3	4.9	4.7	5.3	5.1	4.1	3.5	2.5	2.0	1.8	-0.2
Hispanic	6.6	6.7	6.4	5.7	5.3	4.9	4.7	4.1	3.7	2.9	1.9	1.8	1.9	+0.1

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 133
CIGARETTES: Trends in 30-Day Prevalence of Use of Half Pack a Day or More by Subgroups in Grade 8

					Percenta	ige who	used hal	f pack a	day or m	ore in la	st 30 da	/S				
	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	2003	2004	<u>2005</u>	
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	
Total	3.1	2.9	3.5	3.6	3.4	4.3	3.5	3.6	3.3	2.8	2.3	2.1	1.8	1.7	1.7	
Gender:																
Male	3.7	3.1	4.3	4.2	3.7	4.7	3.7	3.5	3.1	2.8	2.6	2.4	1.8	1.7	2.0	
Female	2.4	2.7	2.7	2.9	3.2	3.7	3.1	3.3	3.3	2.6	2.0	1.9	1.7	1.7	1.3	
College Plans:																
None or under 4 years	10.1	10.8	11.9	11.7	11.4	13.5	11.6	13.8	13.4	10.3	9.8	8.4	7.5	7.4	7.7	
Complete 4 years	1.9	1.7	2.2	2.4	2.3	2.8	2.4	2.2	2.0	1.8	1.4	1.5	1.2	1.1	1.0	
Region:																
Northeast	3.3	2.8	2.7	3.7	3.7	4.1	3.7	2.1	3.1	3.3	2.6	1.7	1.0	1.4	1.4	
Midwest	3.3	3.2	3.5	3.9	4.4	5.3	4.1	4.6	5.7	3.4	3.1	2.7	2.1	2.3	2.2	Table continue
South	3.4	3.3	4.6	3.9	3.6	4.5	3.7	4.8	2.9	2.8	2.7	2.5	2.6	1.8	1.9	
West	1.9	2.0	2.2	2.6	1.8	2.7	2.2	1.6	1.2	1.3	0.7	0.9	8.0	1.2	0.9	
Population Density:																
Large MSA	2.4	2.3	2.1	3.0	2.5	3.7	2.7	2.3	1.8	2.1	1.5	1.3	1.0	1.3	1.0	
Other MSA	3.3	3.2	3.7	3.9	3.6	3.8	3.2	3.2	2.8	2.2	2.1	2.2	1.7	1.6	1.5	
Non-MSA	3.4	3.3	5.0	3.7	4.3	5.8	4.8	5.6	5.9	4.6	3.9	3.1	3.1	2.4	2.9	
Parental Education: a																
1.0-2.0 (Low)	7.9	6.5	6.4	5.1	8.2	6.5	6.4	6.2	6.2	7.1	5.2	4.6	3.7	5.6	2.9	
2.5–3.0	3.7	3.4	3.9	4.9	4.1	6.4	4.8	5.2	4.8	3.8	3.6	2.8	2.9	2.1	2.8	
3.5–4.0	2.5	2.6	3.6	3.4	3.6	3.2	3.5	3.7	3.4	2.3	2.0	2.2	1.8	1.5	1.9	
4.5–5.0	1.6	1.8	2.3	2.6	2.0	2.8	2.2	2.0	1.5	1.4	0.9	1.2	0.7	8.0	0.6	
5.5–6.0 (High)	1.8	1.5	2.2	2.2	1.5	2.7	1.8	2.1	1.8	1.5	1.4	1.1	0.9	0.6	0.5	
Race/Ethnicity (2-year average): ^b																
White	_	3.3	3.8	4.2	4.2	4.6	4.6	4.2	4.0	3.6	3.2	2.8	2.3	1.9	1.9	
African American	_	0.4	0.7	1.0	0.9	1.3	1.4	1.2	1.3	1.0	1.1	1.1	1.2	1.1	0.9	
Hispanic	_	2.7	2.5	3.1	3.3	2.7	2.4	2.8	3.0	2.3	1.4	1.3	1.5	1.4	1.1	

TABLE 133 (cont.)

CIGARETTES: Trends in 30-Day Prevalence of Use of Half Pack a Day or More by Subgroups in Grade 8

	Percentage who used half pack a day or more in last 30 days														
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	<u>2019</u>	2018-2019 <u>change</u>
Approximate weighted N =	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	14,400	16,900	15,300	14,000	13,600	
Total	1.5	1.1	1.2	1.0	0.9	0.7	0.6	0.7	0.5	0.4	0.3	0.2	0.3	0.2	-0.1
Gender:															
Male	1.7	1.3	1.4	1.2	1.1	0.7	8.0	0.9	0.5	0.5	0.4	0.2	0.3	0.2	-0.2
Female	1.3	8.0	0.9	0.7	0.7	0.6	0.3	0.5	0.4	0.3	0.2	0.1	0.2	0.2	0.0
College Plans:															
None or under 4 years	5.8	4.7	4.7	4.7	4.6	3.0	3.0	4.0	1.8	2.4	1.8	0.6	1.1	1.0	0.0
Complete 4 years	1.1	0.7	0.8	0.6	0.5	0.5	0.4	0.5	0.3	0.2	0.1	0.1	0.1	0.1	-0.1
Region:															
Northeast	1.2	0.8	0.9	8.0	0.6	0.2	0.7	0.4	0.4	0.3	0.2	0.1	0.3	0.2	-0.1
Midwest	1.9	1.2	1.6	1.1	1.0	8.0	0.5	0.5	0.3	0.4	0.2	0.3	0.6	0.2	-0.4
South	2.1	1.3	1.3	1.1	1.2	8.0	8.0	1.1	8.0	0.6	0.5	0.2	0.2	0.3	+0.1
West	0.6	0.9	0.6	0.7	0.5	1.0	0.3	0.6	0.3	0.3	0.3	0.2	0.4	0.1	-0.3
Population Density:															
Large MSA	0.9	0.7	0.7	0.5	0.4	0.3	0.4	0.5	0.3	0.2	0.2	0.1	0.2	0.2	0.0
Other MSA	1.6	1.1	1.3	1.1	0.9	1.0	0.6	0.7	0.5	0.4	0.3	0.2	0.3	0.2	-0.2
Non-MSA	2.3	1.7	1.6	1.3	1.4	8.0	8.0	1.3	0.9	0.9	0.7	0.4	0.5	0.3	-0.3
Parental Education: a															
1.0-2.0 (Low)	3.6	1.9	2.5	2.6	0.9	1.2	0.7	1.0	1.2	0.7	1.0	0.3	0.3	0.3	0.0
2.5–3.0	2.4	2.0	1.5	1.2	1.7	1.0	1.0	0.9	0.6	0.3	0.3	0.1	0.2	0.1	-0.1
3.5–4.0	1.3	1.3	1.0	8.0	0.9	8.0	0.7	0.7	0.6	0.4	0.1	0.3	0.4	0.1	-0.2
4.5–5.0	1.0	0.5	0.7	0.4	0.7	0.4	0.1	0.3	0.2	0.2	0.0	0.2	0.2	0.1	-0.1
5.5-6.0 (High)	0.6	0.2	0.9	0.7	0.2	0.2	0.4	0.7	0.1	0.2	0.2	0.0	0.1	0.1	0.0
Race/Ethnicity (2-year average): b															
White	1.9	1.5	1.2	1.2	1.1	0.9	0.7	0.7	0.6	0.4	0.3	0.3	0.3	0.2	-0.1
African American	8.0	0.9	0.8	8.0	0.6	0.4	0.4	0.6	0.6	0.4	0.3	0.3	0.3	0.3	-0.1
Hispanic	0.7	0.9	0.9	0.7	0.7	0.7	0.5	0.5	0.5	0.4	0.3	0.1	0.1	0.1	+0.1

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 134

CIGARETTES: Trends in 30-Day Prevalence of Use of Half Pack a Day or More by Subgroups in Grade 10

Percentage who used half pack a day or more in last 30 days

						•		•							
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Approximate weighted N =		14,800	15,300	15,800	17.000	15,600	15,500	15,000	13.600	14.300	14.000	14.300	15.800	16.400	16,200
Total	6.5	6.0	7.0	7.6	8.3	9.4	8.6	7.9	7.6	6.2	5.5	4.4	4.1	3.3	3.1
Gender:	0.0	0.0	7.0	7.0	0.0	0.1	0.0	1.0	7.0	0.2	0.0			0.0	0.1
Male	6.9	6.5	7.8	8.2	8.7	9.9	8.9	8.1	7.8	6.7	6.0	4.1	4.3	3.5	2.9
Female	6.0	5.1	6.2	6.7	7.7	9.0	8.2	7.8	7.3	5.6	5.1	4.6	3.8	2.9	3.2
College Plans:	0.0	0.1	0.2	0.1		0.0	0.2	1.0	7.0	0.0	0.1	4.0	0.0	2.0	0.2
None or under 4 years	15.9	15.3	18.5	18.5	20.9	22.4	22.0	20.6	18.9	16.0	16.0	11.5	12.3	10.8	9.4
Complete 4 years	4.4	4.0	4.6	5.2	6.1	7.1	6.3	5.6	5.7	4.5	3.8	3.1	2.8	2.2	2.2
Region:				0.2	0		0.0	0.0	0		0.0	0	2.0		
Northeast	7.8	5.9	8.5	7.8	7.7	9.1	8.8	10.0	9.1	6.0	5.0	3.7	4.6	3.6	3.4
Midwest	7.1	7.3	7.7	8.3	9.5	10.9	9.3	9.1	9.9	8.1	6.0	4.8	5.0	3.0	3.3
South	7.2	5.5	7.1	8.7	10.3	11.0	10.2	8.9	7.8	7.1	6.5	5.5	4.5	4.3	3.7
West	4.0	5.0	4.3	4.2	3.4	5.0	4.4	3.0	3.0	2.2	3.3	2.5	2.3	1.8	1.7
Population Density:															
Large MSA	6.9	5.2	5.9	5.8	6.0	7.6	6.6	5.8	6.0	5.7	4.8	3.0	2.3	1.9	2.3
Other MSA	5.8	5.8	6.7	8.5	9.2	9.5	8.0	7.7	7.6	5.6	5.0	4.7	4.0	3.3	2.6
Non-MSA	7.6	6.9	8.7	7.8	9.2	11.5	12.0	11.0	9.4	7.8	7.5	5.7	7.3	5.2	5.4
Parental Education: a															
1.0-2.0 (Low)	9.9	10.7	10.8	8.1	12.0	12.1	10.8	9.0	11.3	10.7	7.6	7.4	8.6	6.6	4.6
2.5–3.0	8.9	6.9	8.5	10.1	12.2	13.1	11.4	11.6	10.4	8.5	8.3	7.0	6.3	5.3	4.9
3.5-4.0	5.8	5.4	7.3	8.0	8.6	10.2	8.8	7.4	7.4	5.9	5.3	4.0	4.2	3.8	3.2
4.5–5.0	4.7	4.7	4.3	5.4	5.0	6.2	6.5	5.9	5.5	4.3	3.9	2.4	2.2	1.4	1.8
5.5-6.0 (High)	4.5	3.7	3.9	4.0	4.0	5.7	4.8	5.4	4.5	3.6	2.6	2.0	1.4	1.0	1.6
Race/Ethnicity (2-year average): b															
White	_	7.4	7.7	8.6	9.3	10.5	11.0	10.4	9.9	8.5	7.1	6.2	5.5	4.7	3.9
African American	_	8.0	0.6	1.2	1.8	1.6	1.7	1.8	1.5	1.9	1.7	1.2	1.0	1.0	1.2
Hispanic	_	3.0	3.0	2.6	3.4	4.3	3.3	3.0	3.1	2.9	2.7	2.2	1.8	1.5	1.9

TABLE 134 (cont.)

CIGARETTES: Trends in 30-Day Prevalence of Use of Half Pack a Day or More by Subgroups in Grade 10

Percentage who used half pack a da	y or more in last 30 days
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															2018-2019
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	change
Approximate weighted N =	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	15,600	14,700	13,500	14,300	14,000	
Total	3.3	2.7	2.0	2.4	2.4	1.9	1.5	1.5	1.2	1.0	0.6	0.7	0.7	0.5	-0.2
Gender:															
Male	3.1	2.9	2.4	2.7	3.0	2.5	1.7	1.9	1.5	1.1	8.0	0.7	8.0	0.7	-0.1
Female	3.3	2.5	1.7	2.0	1.8	1.2	1.3	1.1	0.9	8.0	0.4	0.4	0.4	0.4	0.0
College Plans:															
None or under 4 years	12.0	8.1	7.8	8.6	8.6	7.0	6.8	5.3	4.9	5.0	3.2	3.2	2.1	1.4	-0.8
Complete 4 years	2.1	2.0	1.3	1.7	1.7	1.3	1.0	1.0	8.0	0.5	0.3	0.3	0.4	0.3	0.0
Region:															
Northeast	3.2	2.5	1.2	2.2	2.6	2.3	1.1	1.4	0.9	0.9	0.5	0.9	0.3	0.1	-0.1
Midwest	4.5	4.2	3.3	2.7	2.7	2.2	1.5	1.8	1.7	1.0	0.9	0.7	8.0	0.7	-0.1
South	3.6	2.8	2.6	3.2	3.1	2.3	2.3	2.0	1.3	1.3	0.7	0.5	0.9	0.5	-0.5
West	1.3	1.3	0.7	1.0	1.1	0.5	8.0	0.7	8.0	0.7	0.4	0.7	0.5	0.7	+0.1
Population Density:															
Large MSA	1.8	2.0	1.1	1.6	1.6	1.3	0.9	8.0	0.7	0.6	0.5	0.6	0.5	0.2	-0.3
Other MSA	3.0	2.7	2.2	2.3	2.4	1.7	1.4	1.4	8.0	0.7	0.4	0.4	0.6	0.6	0.0
Non-MSA	6.3	4.0	3.1	3.7	3.8	3.0	2.6	2.7	3.0	2.4	1.5	1.4	1.3	1.0	-0.3
Parental Education: a															
1.0-2.0 (Low)	7.1	4.9	3.4	4.8	4.2	3.0	3.9	2.6	1.9	2.0	0.9	0.9	1.3	0.6	-0.7
2.5–3.0	5.6	4.5	3.2	3.7	4.5	3.6	2.5	2.6	1.9	1.3	0.9	1.2	1.1	8.0	-0.3
3.5–4.0	3.1	2.6	2.4	2.4	2.3	1.8	1.3	1.5	1.5	1.2	0.4	0.5	0.7	0.6	-0.1
4.5–5.0	1.5	1.6	1.1	1.4	1.1	0.9	1.0	0.9	0.5	0.7	0.4	0.3	0.3	0.1	-0.2 s
5.5-6.0 (High)	1.6	1.2	0.7	1.1	1.0	0.5	0.5	0.5	0.4	0.1	0.3	0.3	0.3	0.4	0.0
Race/Ethnicity (2-year average): b															
White	3.8	3.8	3.2	2.8	2.9	2.6	2.1	1.9	1.8	1.2	0.9	0.7	8.0	8.0	0.0
African American	1.3	1.2	0.9	1.1	1.4	1.3	0.9	8.0	1.0	0.9	0.6	0.4	0.4	0.3	-0.1
Hispanic	2.0	1.0	0.9	1.1	1.0	0.9	8.0	0.6	0.5	0.7	0.7	0.5	0.5	0.4	-0.1

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 135
CIGARETTES: Trends in 30-Day Prevalence of Use of Half Pack a Day or More by Subgroups in Grade 12

Percentage who used half pack a day or more in last 30 days 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 9,400 15,400 16,700 15,200 Approximate weighted N = 17,100 17,800 15,500 15,900 17,500 17,700 16,300 15,900 16,000 15,200 16,300 16,300 Total 12.3 12.5 17.9 19.2 19.4 18.8 16.5 14.3 13.5 14.2 13.8 11.4 11.4 10.6 11.2 11.3 Gender: Male 19.6 12.3 19.9 19.7 18.9 15.4 13.5 12.8 13.1 13.1 11.0 10.7 10.1 11.1 11.2 11.6 Female 16.1 18.0 18.9 18.0 17.1 14.7 13.8 14.7 13.6 12.8 12.0 11.6 12.5 9.7 10.7 10.8 College Plans: None or under 4 years 25.5 26.9 25.5 23.3 21.2 20.8 21.0 20.9 19.6 20.7 19.2 19.5 18.4 18.6 19.2 Complete 4 years 11.9 11.2 11.1 9.8 8.2 7.5 7.8 7.6 6.5 6.5 6.4 7.2 6.8 7.5 7.5 Region: Northeast 22.0 22.5 24.2 23.6 19.8 17.0 16.6 15.6 16.6 17.4 17.0 15.6 16.5 13.1 13.6 13.8 Midwest 18.8 20.3 20.3 19.8 17.4 15.4 16.0 17.3 17.1 13.0 14.9 12.3 12.3 11.5 14.2 13.7 South 16.8 19.0 18.5 17.0 16.1 14.5 12.0 13.3 12.4 11.3 9.7 10.0 9.4 10.1 9.7 9.4 West 11.3 12.4 11.5 12.2 10.8 8.3 7.3 7.1 6.4 7.4 7.6 6.5 8.1 7.7 6.9 8.3 Population Density: Large MSA 21.7 20.1 20.4 19.7 16.2 14.8 15.4 15.9 14.1 14.8 14.4 12.2 13.1 10.8 10.1 11.2 Other MSA 17.4 18.9 18.8 17.9 16.5 13.8 12.4 12.9 13.5 11.4 11.0 9.6 10.0 10.4 11.2 11.0 Non-MSA 15.9 19.0 19.5 19.3 16.7 14.7 13.6 14.2 14.0 11.5 12.9 13.3 12.5 10.7 12.1 12.1 Parental Education: a 1.0-2.0 (Low) 18.6 21.3 20.0 19.2 19.5 16.3 16.0 17.1 17.1 16.4 16.1 15.6 13.8 11.2 11.5 10.2 2.5-3.0 17.7 21.4 22.2 21.0 17.6 16.8 15.6 15.9 15.2 14.8 14.2 13.3 13.9 12.4 13.5 13.4 3.5-4.0 13.9 17.4 18.3 16.9 15.2 12.8 12.5 13.3 11.9 10.5 12.0 11.0 10.5 10.3 10.7 11.6 4.5-5.0 15.9 15.9 14.8 15.4 12.6 10.3 10.1 10.1 10.5 8.0 9.5 6.8 8.9 8.6 9.2 10.2 5.5-6.0 (High) 9.1 15.9 14.6 14.5 13.6 9.8 8.8 9.3 9.3 7.9 5.4 7.4 8.4 8.3 8.4 7.9 Race/Ethnicity (2-year average): b White 20.3 20.2 18.6 16.4 15.0 15.1 15.2 14.2 13.6 13.1 12.9 12.9 12.9 13.3 African American 10.7 9.7 9.1 7.1 5.8 5.4 4.9 4.1 3.9 3.6 2.9 2.3 1.9 1.8 Hispanic 11.3 9.0 6.4 5.6 6.1 5.6 5.9 6.1 5.3 5.0 4.1 3.5 4.2 4.2

TABLE 135 (cont.)

CIGARETTES: Trends in 30-Day Prevalence of Use of Half Pack a Day or More by Subgroups in Grade 12

Percentage who used half pack a day or more in last 30 days 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 12,800 12,900 14,700 14,200 Approximate weighted N = 15,000 15,800 16,300 15,400 15,400 14,300 15,400 15,200 13,600 12,800 14,600 14,600 Total 12.4 13.0 12.6 10.3 10.7 10.0 10.9 11.2 14.3 13.2 11.3 9.1 8.4 8.0 6.9 5.9 Gender: Male 13.6 10.2 10.0 6.2 11.6 10.4 11.6 12.7 13.2 15.5 13.5 14.5 11.4 9.5 8.0 8.0 Female 9.5 9.2 9.9 9.5 11.1 12.0 12.6 11.1 11.5 10.8 10.2 7.9 6.6 7.5 5.3 5.2 College Plans: None or under 4 years 18.7 19.1 18.7 19.6 22.6 23.1 23.5 23.7 23.2 20.3 19.3 17.5 17.2 16.0 15.2 13.0 10.0 Complete 4 years 7.1 6.5 8.1 8.2 8.9 11.0 8.9 10.1 8.1 7.6 6.7 5.5 5.6 4.6 3.9 Region: Northeast 12.9 11.1 14.7 12.2 13.4 17.0 19.4 13.6 13.4 13.6 12.3 10.9 8.7 9.0 7.5 7.9 Midwest 14.1 11.0 12.5 15.3 14.2 15.1 16.9 16.8 15.0 13.7 14.8 13.6 10.1 8.8 8.7 6.7 South 8.9 10.2 10.4 10.8 12.6 12.0 12.3 11.8 13.9 10.6 7.6 8.6 8.9 8.9 7.6 6.0 West 7.2 6.8 6.0 5.9 8.4 6.5 8.2 7.5 9.0 7.5 6.6 3.1 5.0 4.1 3.1 2.9 Population Density: Large MSA 10.2 9.9 9.1 10.2 12.3 11.6 12.8 11.0 9.6 8.2 9.4 7.6 5.4 6.0 5.2 4.8 Other MSA 8.4 10.7 8.4 11.2 10.5 11.1 12.8 14.3 11.7 12.6 11.6 9.4 8.7 8.2 6.3 5.0 Non-MSA 11.1 13.1 11.7 13.7 14.7 14.4 16.0 16.5 18.0 14.5 13.3 11.9 12.2 10.0 10.4 9.2 Parental Education: a 1.0-2.0 (Low) 12.5 11.0 10.7 9.5 13.5 13.6 11.9 12.5 15.0 16.1 10.8 7.4 8.7 8.6 6.8 5.4 2.5-3.0 12.4 12.7 12.5 13.7 15.1 14.8 16.4 14.9 16.6 13.8 12.5 12.0 10.5 10.9 10.0 8.4 3.5-4.0 10.7 9.6 10.4 11.0 12.7 12.3 13.9 13.8 13.1 10.7 10.6 10.3 8.7 8.2 7.2 5.8 4.5-5.0 7.9 8.1 10.0 10.4 9.8 12.6 14.5 10.3 10.7 9.3 9.2 6.8 5.7 6.1 5.1 4.6 5.5-6.0 (High) 9.0 5.7 8.3 8.8 9.1 10.8 11.2 7.4 9.5 7.1 6.2 5.4 4.9 4.7 3.2 3.3 Race/Ethnicity (2-year average): b White 13.1 12.3 12.8 13.7 14.2 15.2 16.9 16.9 15.9 15.1 13.6 12.4 10.9 10.0 9.1 7.9 African American 1.8 1.8 1.5 1.7 2.2 2.5 2.8 2.5 2.4 2.6 2.4 2.1 1.7 1.6 1.8 2.1 Hispanic 4.0 4.6 4.5 4.0 4.1 5.3 5.8 5.2 5.8 7.0 5.3 3.8 3.0 2.9 2.9 2.6

TABLE 135 (cont.)

CIGARETTES: Trends in 30-Day Prevalence of Use of Half Pack a Day or More by Subgroups in Grade 12

				Percenta	ige who i	used half	pack a c	lay or mo	ore in las	t 30 days	3			
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2018-2019 <u>change</u>
Approximate weighted N =		14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	change
Total	5.7	5.4	5.0	4.7	4.3	4.0	3.4	2.6	2.1	1.8	1.7	1.5	0.9	-0.6 s
Gender:														
Male	6.4	6.1	5.4	5.6	5.3	4.9	4.0	3.4	2.5	1.9	1.8	1.6	1.1	-0.5
Female	4.7	4.6	4.2	3.6	3.0	2.8	2.4	1.8	1.2	1.5	1.3	0.9	0.6	-0.3
College Plans:														
None or under 4 years	12.5	11.9	11.2	12.0	11.1	9.5	8.6	6.2	5.8	4.7	4.7	3.1	2.3	-0.8
Complete 4 years	4.0	3.8	3.6	3.1	2.8	2.6	2.1	1.7	1.1	1.0	0.9	8.0	0.5	-0.3
Region:														
Northeast	6.1	5.5	5.0	4.4	4.0	5.4	4.3	2.5	2.2	2.2	2.1	8.0	0.6	-0.2
Midwest	7.2	6.6	7.2	5.9	4.5	5.2	3.4	2.5	2.4	2.3	1.9	1.6	0.7	-0.9
South	6.4	6.5	5.3	5.5	5.2	4.0	4.3	3.3	2.4	1.9	2.0	2.1	1.2	-1.0 s
West	2.5	2.6	1.8	2.2	3.0	1.8	1.4	1.6	1.1	0.9	0.6	0.7	0.9	+0.2
Population Density:														
Large MSA	4.2	3.4	3.8	4.0	3.8	3.2	2.6	1.9	1.5	1.0	0.9	1.0	0.5	-0.5 s
Other MSA	5.3	5.3	4.6	4.2	3.9	3.4	2.8	2.4	1.9	1.8	1.8	1.2	8.0	-0.4
Non-MSA	8.8	8.2	7.5	6.9	6.2	6.8	6.0	4.1	3.6	2.9	2.6	3.1	2.1	-1.0
Parental Education: a														
1.0–2.0 (Low)	7.5	6.8	5.2	4.3	5.0	4.9	3.9	2.7	3.0	2.9	1.3	1.5	1.1	-0.4
2.5–3.0	7.6	6.9	7.2	6.4	6.2	5.3	5.0	3.1	3.2	2.4	2.3	1.4	1.3	-0.1
3.5–4.0	5.6	6.0	5.1	5.1	4.3	4.7	3.7	2.8	1.7	1.6	1.6	1.7	1.0	-0.8
4.5–5.0	4.7	3.7	3.6	3.2	2.7	2.3	2.4	2.1	1.3	1.3	1.5	8.0	0.4	-0.4
5.5–6.0 (High)	2.7	3.5	2.0	2.3	2.7	2.0	1.1	1.6	1.1	0.7	0.7	0.6	0.7	+0.1
Race/Ethnicity (2-year average): ^b														
White	7.1	7.1	7.0	6.6	6.0	5.4	4.8	3.9	2.9	2.3	2.2	2.1	1.4	-0.6 ss
African American	2.4	2.2	1.6	1.6	2.0	1.5	1.5	2.0	1.5	1.1	1.0	0.9	0.9	0.0
Hispanic	2.5	2.1	1.6	1.5	1.4	1.3	1.4	1.2	1.1	0.9	0.6	0.6	0.6	0.0

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 136
TOBACCO USING A HOOKAH: Trends in Annual
Prevalence of Use by Subgroups in Grade 12

				Pe	rcent who	used in la	ast 12 mor	nths				2018-
	1975–											2019
	2011	2010	2011	2012	2013	2014	<u>2015</u>	<u>2016</u>	2017	2018	2019	change
Approximate weighted N =		14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	_	17.1	18.5	18.3	21.4	22.9	19.8	13.0	10.1	7.8	5.6	-2.2 s
Gender:												
Male	_	19.0	20.0	19.9	21.6	24.9	22.2	15.2	9.4	7.0	6.6	-0.5
Female	_	15.2	16.7	17.0	21.0	21.4	17.9	10.7	10.5	7.7	4.4	-3.3 s
College Plans:												
None or under 4 years	_	19.4	19.8	17.9	21.3	23.7	20.6	18.5	10.8	11.5	8.1	-3.4
Complete 4 years	_	16.2	18.6	18.4	21.5	22.8	19.5	11.6	10.2	7.1	5.0	-2.1
Region:												
Northeast	_	15.4	15.1	17.5	23.9	21.6	20.5	18.9	7.3	11.9	4.8	-7.1 ss
Midwest	_	17.9	21.3	18.6	18.9	26.2	24.2	13.5	10.5	8.7	4.7	-4.0
South	_	15.3	14.5	12.1	16.5	20.1	16.6	8.2	8.7	5.8	5.8	0.0
West	_	20.9	23.9	26.2	29.7	25.9	21.1	17.2	13.7	7.5	7.1	-0.3
Population Density:												
Large MSA	_	19.6	18.6	22.7	25.2	24.6	20.1	18.6	9.7	8.3	4.4	-3.9 ss
Other MSA	_	18.3	21.2	19.3	23.6	23.5	20.2	11.0	9.7	8.5	5.6	-3.0
Non-MSA	_	10.5	12.3	9.1	10.7	19.3	18.6	9.2	11.5	5.4	7.7	+2.3
Parental Education: a												
1.0–2.0 (Low)	_	16.8	19.8	18.1	19.2	17.9	16.4	10.7	8.1	8.3	6.7	-1.5
2.5–3.0	_	16.3	17.6	16.8	20.6	20.2	19.8	14.6	9.3	7.8	9.6	+1.8
3.5–4.0	_	18.7	18.1	19.4	23.7	22.9	21.3	15.2	12.7	10.5	6.3	-4.2 s
4.5–5.0	_	15.0	18.6	19.6	20.8	29.0	19.5	11.2	8.4	6.3	3.6	-2.6
5.5-6.0 (High)	_	21.3	20.6	17.6	20.4	22.0	23.8	10.6	12.7	5.9	3.4	-2.5
Race/Ethnicity (2-year data): b												
White	_	_	20.6	20.5	20.2	24.4	25.2	19.7	13.0	9.4	6.7	-2.7 sss
African American	_	_	6.0	5.9	8.6	10.3	9.5	8.7	8.3	7.3	4.8	-2.5
Hispanic	_		17.6	18.5	22.8	23.7	19.9	16.3	11.6	8.8	8.4	-0.4

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates

for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of six forms; *N* is one sixth of *N* indicated in Table S3. Beginning in 2016 data based on three of six forms; *N* is three sixths of *N* indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase

subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 137

SMALL CIGARS: Trends in Annual Prevalence of Use by Subgroups in Grade 12

_				Pe	rcent who	used in la	ast 12 mor	nths				2018–
	1975–											2019
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	change
Approximate weighted N =		14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	_	23.1	19.5	19.9	20.4	18.9	15.9	15.6	13.3	9.2	7.8	-1.4
Gender:												
Male	_	29.7	26.7	27.1	26.5	26.4	23.6	22.5	19.3	12.3	11.7	-0.6
Female	_	16.3	12.3	12.9	14.8	11.8	9.3	8.5	7.8	6.5	3.5	-3.0 s
College Plans:												
None or under 4 years	_	30.7	27.7	24.5	21.8	22.9	20.3	18.8	18.7	14.4	13.2	-1.2
Complete 4 years	_	21.4	17.8	19.0	20.1	18.0	14.9	14.6	12.4	7.8	6.1	-1.7
Region:												
Northeast	_	26.1	21.5	19.2	21.4	21.2	17.4	18.2	13.9	12.6	6.5	-6.0 s
Midwest	_	28.1	23.7	28.4	23.7	23.6	17.6	15.5	14.6	8.1	7.5	-0.5
South	_	19.8	14.2	12.8	19.8	18.2	14.4	14.2	13.0	9.2	8.9	-0.3
West	_	20.8	21.8	20.5	17.1	14.2	15.9	16.7	11.9	7.9	6.3	-1.6
Population Density:												
Large MSA	_	22.7	16.2	21.6	18.5	16.0	10.7	13.6	11.5	4.6	5.3	+0.7
Other MSA	_	23.5	21.9	19.5	22.4	20.3	17.9	16.7	13.8	11.1	8.5	-2.6
Non-MSA	_	22.5	18.4	18.3	18.3	19.4	19.7	16.1	14.9	12.5	9.8	-2.8
Parental Education: a												
1.0–2.0 (Low)	_	16.6	14.8	12.8	18.3	9.5	11.8	8.5	10.3	6.5	7.9	+1.3
2.5–3.0	_	23.6	16.2	18.6	17.5	17.6	15.9	15.8	11.1	9.8	6.0	-3.8
3.5–4.0	_	22.9	19.9	20.5	22.8	20.6	18.7	16.0	14.3	10.3	8.9	-1.4
4.5–5.0	_	25.9	19.4	23.2	22.1	20.8	14.8	16.3	14.9	9.3	8.1	-1.2
5.5–6.0 (High)	_	23.5	26.5	19.7	18.1	21.5	19.9	19.1	15.5	9.1	9.4	+0.3
Race/Ethnicity (2-year data): b												
White	_	_	25.8	24.3	23.9	24.2	22.0	20.6	19.6	15.1	11.3	-3.8 sss
African American	_	_	6.3	5.9	9.1	10.5	9.4	7.8	5.3	4.3	4.1	-0.2
Hispanic	_		17.9	13.6	16.0	13.7	10.0	10.4	8.5	5.9	5.2	-0.7

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates

for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of six forms; N is one sixth of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 138
Flavored Little Cigars or Cigarillos: Trends in 30-Day
Prevalence of Use by Subgroups in Grades 8, 10, and 12

										Perce	ntage wh	no used	in last 30	days										
				8th (<u>Graders</u>							<u>10th</u>	Graders							12th	<u>Graders</u>			
								2018-								2018–								2018-
	1991–							2019	1991–							2019	1976–							2019
	<u>2013</u>	2014	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	2019	<u>change</u>	2013	<u>2014</u>	<u>2015</u>	<u>2016</u>	2017	<u>2018</u>	<u>2019</u>	<u>change</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>
Approximate weighted N =	_	14600	14,400	16,900	15,300	14,000	13,600		_	13000	15,600	14,700	13,500	14,300	14,000		_	12400	12,900	11,800	12,600	13,300	12,900	
Total	_	4.1	4.1	2.8	2.6	2.6	2.2	-0.4	_	6.9	6.1	4.9	4.0	5.3	3.7	-1.6 s	_	11.9	11.4	9.5	10.1	8.9	7.7	-1.1
Gender:																								
Male	_	4.8	4.4	2.6	2.8	2.6	1.9	-0.7	_	8.2	7.5	5.8	4.9	6.1	4.3	-1.8	_	16.1	15.4	13.4	12.6	12.0	11.3	-0.7
Female	_	3.4	3.7	2.8	2.4	2.3	2.5	+0.3	_	5.8	4.8	3.7	3.0	4.4	3.2	-1.2	_	8.2	7.6	5.8	7.5	5.2	4.6	-0.7
College Plans:																								
None or under 4 years	_	10.0	9.8	10.0	8.5	7.1	6.2	-0.9	_	12.9	15.1	10.4	10.9	13.1	8.0	-5.2 s	_	19.6	18.4	12.6	17.4	14.4	11.0	-3.4
Complete 4 years	_	3.5	3.6	2.2	2.1	1.9	1.6	-0.3	_	6.5	5.2	4.2	3.0	4.4	2.9	-1.5 s	_	9.9	9.8	8.8	8.4	7.3	6.6	-0.8
Region:																								
Northeast	_	2.3	3.0	3.5	2.5	1.8	0.6	-1.3 s	_	7.3	5.2	2.9	4.0	3.3	2.0	-1.3	_	15.5	11.7	10.8	12.3	6.0	5.7	-0.3
Midwest	_	3.3	3.1	2.2	2.6	2.7	2.4	-0.3	_	7.2	6.2	4.2	3.3	4.9	3.8	-1.1	_	14.5	11.5	11.1	11.1	9.3	9.0	-0.2
South	_	4.8	4.8	3.3	2.5	2.6	2.9	+0.4	_	7.7	7.0	6.2	3.5	7.5	5.0	-2.4	_	10.7	11.7	8.4	10.1	10.0	7.6	-2.4
West	_	4.7	4.5	1.9	2.8	3.2	2.1	-1.1	_	5.3	5.5	5.4	5.3	3.8	2.6	-1.2	_	9.0	10.6	8.9	7.6	8.4	7.9	-0.5
Population Density:																								
Large MSA	_	4.2	3.4	2.2	2.2	2.2	1.9	-0.4	_	7.0	4.9	4.6	4.5	3.3	2.2	-1.1	_	7.9	9.0	7.4	9.1	6.8	5.5	-1.3
Other MSA	_	4.4	4.6	2.7	2.7	2.3	2.2	-0.1	_	6.3	5.2	4.8	2.8	6.3	4.1	-2.3	_	12.6	12.5	9.5	9.5	8.7	8.0	-0.7
Non-MSA	_	3.2	3.9	4.0	3.0	4.0	2.9	-1.1	_	8.5	10.6	6.0	6.0	6.0	5.2	-0.8	_	15.4	12.7	12.2	12.6	12.8	10.5	-2.3
Parental Education: a																								
1.0-2.0 (Low)	_	9.1	8.0	4.3	3.1	5.0	3.3	-1.7	_	10.5	7.9	5.8	5.2	2.9	6.7	+3.9 s	_	10.7	13.1	8.5	7.4	8.5	9.1	+0.5
2.5–3.0	_	6.0	4.5	3.1	4.9	2.8	3.2	+0.4	_	7.2	8.5	4.3	6.2	7.6	6.0	-1.5	_	14.8	14.3	9.7	10.0	9.0	8.5	-0.5
3.5-4.0	_	3.9	3.1	2.2	2.6	3.7	2.3	-1.4	_	10.8	6.2	5.1	4.1	6.7	4.1	-2.6	_	12.4	10.6	9.9	10.5	9.1	8.3	-0.8
4.5–5.0	_	2.2	3.4	2.7	1.9	1.5	1.7	+0.3	_	5.1	4.6	4.3	2.6	4.0	1.6	-2.4 s	_	10.4	11.8	10.4	10.7	9.2	5.2	-4.0 ss
5.5-6.0 (High)	_	2.1	2.6	1.8	1.3	1.0	1.3	+0.3	_	3.7	4.8	5.5	1.9	4.7	2.8	-1.9	_	9.6	6.9	6.9	10.9	7.5	9.0	+1.5
Race/Ethnicity (2-year data): b																								
White	_	_	2.6	2.7	2.2	2.0	2.0	-0.1	_	_	6.8	5.7	4.1	4.6	4.6	0.0	_	_	13.4	12.2	12.0	11.6	9.6	-1.9 sss
African American	_	_	4.2	3.1	2.8	3.5	3.2	-0.3	_	_	6.4	3.9	3.3	3.6	4.2	+0.6	_	_	8.8	8.0	6.5	5.6	4.7	-0.9
Hispanic	_	_	6.7	4.4	2.9	3.1	2.8	-0.3	_	_	5.9	4.7	4.6	5.1	5.3	+0.3	_	_	9.5	8.1	5.9	5.8	7.3	+1.5

Notes.

'-' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.

See Tables S1, S2, and S3 for the number of subgroup cases. See appendix B for definition of variables in table. For 8th and 10th graders only: Data based on two of four forms; N is one third of N indicated in S1 and S2. For 12th graders only: Data based on two of six forms; N is two sixths of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 139

Regular Little Cigars or Cigarillos: Trends in 30-Day

Prevalence of Use by Subgroups in Grades 8, 10, and 12

Percentage who used in last 30 days 8th Graders 10th Graders 12th Graders 2018-2018-2018-1991-2019 1991-2019 1976-2019 2013 2014 2015 2016 2017 2018 2019 change 2013 2014 2015 2016 2017 2018 2019 change 2013 2014 2015 2016 2017 2018 2019 change Approximate weighted N = 14.400 16.900 14.000 13,600 13.000 15.600 14,700 13.500 14.300 14.000 12.400 12.900 11.800 12.600 13.300 12.900 Total 1.6 0.0 3.8 6.1 4.9 -0.9 Gender Male 2.9 1.8 1.7 1.9 1.5 -0.45.9 4.9 3.8 3.9 3.5 3.3 -0.2 9.6 10.9 8.7 8.4 7.9 6.6 -1.3 Female 20 2.5 1.6 1.5 1.2 1.7 +0.5 2.9 2.9 2.0 2.0 2.5 2.0 -0.5 4.6 4.6 3.3 4.3 3.1 3.3 +0.2 College Plans: None or under 4 years 8.5 9.5 6.9 5.4 5.5 4.6 -0.8 9.9 9.1 8.1 9.2 8.3 5.6 -2.7 13.6 14.6 8.8 12.0 11.1 8.3 -2.8 Complete 4 years 2.0 2.8 1.4 1.3 1.1 1.2 +0.1 4.0 3.3 2.4 21 24 2.1 -0.3 5.3 6.1 5.3 5.4 4.3 4.0 -0.3 Region: 4.7 2.5 Northeast 26 1.3 0.3 -1.0 44 2.3 29 24 12 -12 9.0 7.8 7.3 7.3 4 0 -1.5 17 32 14 Midwest 2.9 1.4 1.5 1.8 -0.1 3.9 4.1 2.7 2.0 -1.1 7.5 6.4 6.5 5.9 -0.8 1.7 2.7 3.1 8.7 5.1 South 4.0 2.3 1.7 1.5 2.4 +0.9 6.0 4.5 3.5 3.0 4.4 3.9 -0.5 6.8 8.7 6.4 7.8 7.1 3.8 5.2 -19 West 2.6 1.0 1.8 1.7 1.2 -0.5 2.5 3.1 1.4 2.1 +0.7 6.6 4.5 4.1 4.9 2.0 1.9 3.3 4.1 6.1 +1.2 Population Density: Large MSA 2.2 3.3 1.2 1.5 1.3 1.1 -0.3 4.1 2.8 2.7 2.9 2.1 1.4 -0.7 4.8 6.0 5.4 4.9 5.4 3.7 -1.8 1.5 2.1 3.5 3.2 Other MSA 2.7 3.5 1.9 1.7 3.6 2.8 2.1 3.4 -0.3 7.0 8.1 6.0 5.9 5.5 4.7 -0.8 Non-MSA 2.5 2.8 1.6 2.1 1.3 -0.7 7.1 6.4 4.1 5.2 3.7 3.3 -0.4 9.5 9.9 7.3 10.6 7.1 7.4 +0.2 Parental Education: a 1.0-2.0 (Low) 5.4 8.3 2.3 2.7 3.4 2.1 -1.4 7.4 5.5 4.3 3.2 3.3 4.6 +1.3 8.4 7.9 3.0 5.2 6.3 8.1 +1.8 2.1 2.5 - 3.03.1 1.8 1.6 -0.23.8 4.7 2.1 3.7 3.8 4.8 7.9 10.9 6.5 7.8 5.6 5.4 -0.2 3.5-4.0 1.9 2.6 1.4 1.3 2.0 1.5 -0.5 6.6 3.3 4.0 3.9 4.3 2.6 -1.7 7.4 6.4 6.8 7.2 6.3 4.6 -1.7 4.5-5.0 1.0 3.6 -0.5 7.9 1.9 2.7 1.7 0.8 1.1 +0.4 2.6 2.2 2.0 1.4 0.9 5.3 6.3 5.8 5.6 2.0 -3.6 sss 5.5-6.0 (High) 1.8 2.6 1.2 0.4 0.8 0.9 +0.1 2.8 4.2 3.3 1.2 3.2 2.2 -1.0 5.7 4.7 4.6 5.5 4.1 6.7 +2.6 Race/Ethnicity (2-year data): b White 0.0 -0.2 2.1 2.0 1.3 1.1 1.1 4.2 3.6 2.8 2.9 2.6 8.3 7.8 7.3 6.8 5.5 -1.3 s 2.4 2.1 2.7 2.0 -0.6 4.8 3.4 3.2 3.8 +0.7 6.5 6.8 5.6 4.9 3.7 African American 3 4 29 -12 Hispanic 4.0 2.9 1.8 2.0 1.8 -0.2 3.7 2.9 3.1 3.0 3.2 +0.2 6.1 4.9 3.6 4.1 5.3 +1.2

Source. The Monitoring the Future study, the University of Michigan.

Notes

'-' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.

See Tables S1, S2, and S3 for the number of subgroup cases. See appendix B for definition of variables in table. For 8th and 10th graders only: Data based on two of four forms; N is one third of N indicated in S1 and S2. For 12th graders only: Data based on two of six forms; N is two sixths of N indicated in Table S3.

ution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 140
Large Cigars: Trends in 30-Day
Prevalence of Use by Subgroups in Grades 8, 10, and 12

Percentage who used in last 30 days 8th Graders 12th Graders 10th Graders 2018-2018-2018-1991-2019 1991-2019 1976-2019 change change 2013 change 2013 2013 2014 2015 2016 2017 2018 2019 2014 2015 2016 2017 2018 2019 2014 2015 2016 2017 2018 2019 Approximate weighted N = 16,900 15,300 13,600 13,000 15,600 13,500 14,300 14,000 12,900 11,800 12,600 12,900 Total 1.5 1.5 1.3 -0.3 3.9 3.4 2.3 2.8 2.1 -0.7 7.0 5.6 5.2 +0.1 Gender Male 3.6 1.6 2.0 1.5 -0.6 5.8 4.8 3.2 3.9 4.1 3.1 -0.9 10.7 11.9 10.7 8.5 8.3 8.6 +0.3 2.8 1.8 1.3 1.2 2.2 1.3 1.2 -0.1 Female 1.2 1.1 1.2 0.0 2.1 1.2 1.3 2.4 2.4 2.4 2.6 1.9 2.0 +0.2 College Plans: None or under 4 years 7.5 5.3 5.2 3.3 -207.2 10.4 -20 11.9 12.2 8.3 7.4 6.2 6.3 7.1 8.7 6.1 4.2 8.3 9.1 -0.9 Complete 4 years 1.6 1.9 1.1 1.1 1.3 -0.2 3.7 2.7 1.7 1.8 23 1.8 -0.6 5.0 5.8 6.0 4.7 4.3 4.6 +0.3 Region: Northeast 2.5 1.5 1.6 0.7 -0.9 3.7 2.2 1.2 1.9 1.2 -0.8 8.3 6.1 6.9 4.9 3.7 -1.2 1.8 1.6 Midwest 1.8 3.8 3.2 3.0 2.9 3.2 6.7 8.0 1.8 8.0 1.7 1.1 -0.5 1.7 -1.5 7.4 7.3 6.1 5.3 5.6 +0.3 South 2.7 2.9 1.9 1.2 1.4 1.6 +0.3 4.1 3.7 1.7 2.5 3.7 3.0 -0.7 5.9 6.2 5.5 5.2 6.5 5.4 -1.1 West 2.5 0.8 1.7 2.3 1.4 -0.9 2.1 2.8 2.5 3.5 1.5 1.7 +0.2 7.8 7.6 4.9 3.3 6.2 +2.9 4.4 Population Density: Large MSA 8.0 +0.1 2.0 -0.4 5.9 3.8 2.2 1.8 8.0 1.5 0.9 4.4 2.8 1.9 2.8 1.5 4.4 6.1 4.7 4.4 + 0.6Other MSA 1.5 2.9 2.1 2.2 -0.7 7.1 5.7 2.7 1.5 1.9 1.5 -0.42.6 1.7 2.9 6.4 6.4 5.4 5.2 -0.5 Non-MSA 1.3 2.5 1.6 -0.9 3.4 3.8 2.9 -0.9 8.6 7.2 7.3 6.7 7.0 +0.4 Parental Education: a 1.0-2.0 (Low) 4.5 2.4 2.4 3.8 1.5 -2.3 4.2 5.7 2.5 3.0 1.5 -1.5 7.9 4.9 2.4 3.6 5.0 +1.5 2.5-3.0 2.8 1.5 2.3 2.2 4.6 2.9 2.9 5.8 5.8 5.7 2.7 1.7 1.8 3.3 3.1 4.6 +0.9 3.5-4.0 1.5 1.6 1.4 1.7 2.0 1.0 -0.9 4.9 2.3 1.9 3.7 3.9 3.4 -0.5 6.4 7.1 5.7 5.8 5.7 4.4 -1.3 4.5-5.0 8.2 6.3 12 1.8 1.0 1.0 1.0 0.8 -0.23.3 3 1 2.2 1.6 1.4 1.1 -0.37.0 7.5 5.0 34 -1.5 5.5-6.0 (High) 3.3 1.7 12 1.5 1.1 0.9 0.6 1.0 +0.43.8 3.4 1.9 2.9 -13 6.1 5.6 5.6 6.7 5.9 9.0 +3.1 Race/Ethnicity (2-year data): b White -0.3 1.6 1.5 1.0 0.9 1.1 +0.1 4.1 3.3 2.8 3.1 2.8 8.3 8.5 7.5 6.7 6.2 -0.4 African American 2.0 1.5 0.9 1.5 1.7 +0.3 3.5 2.2 1.7 1.8 1.3 -0.6 3.2 3.1 2.7 2.5 1.9 -0.6 Hispanic 2.3 2.1 1.6 -0.4 3.2 2.3 2.2 2.6 5.0 4.7 3.5 3.2 4.1 +0.9

Source. The Monitoring the Future study, the University of Michigan.

Notes.

'—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Tables S1, S2, and S3 for the number of subgroup cases. See appendix B for definition of variables in table. For 8th and 10th graders only: Data based on two of four forms; N is one third of N indicated in S1 and S2. For 12th graders only: Data based on two of six forms; N is two sixths of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 141

Any Vaping: Trends in 30-Day

Prevalence of Use by Subgroups in Grades 8, 10, and 12

Percentage who used in last 30 days

				8th	Graders							10th	Graders	dayo						12th	Graders			
								2018–								2018–								2018–
	1991–							2019	1991–							2019	1976–							2019
	2013	<u>2014</u>	2015	<u>2016</u>	2017	<u>2018</u>	2019	change	2013	2014	<u>2015</u>	<u>2016</u>	2017	2018	2019	<u>change</u>	2013	2014	<u>2015</u>	<u>2016</u>	2017	2018	2019	change
Approximate weighted N =	_	_	14,400	16,900	16,900	14,000	13,600		_	_	15,600	14,700	13,500	14,300	14,000		_	_	12,900	11,800	12,600	13,300	12,900	
Total	_	_	8.0	6.2‡	6.6	10.4	12.2	+1.8	_	_	14.2	11.0‡	13.1	21.7	25.0	+3.3 s	_	_	16.3	12.5‡	16.6	26.7	30.9	+4.2 s
Gender:																								
Male	_	_	8.6	7.0‡	7.2	10.5	10.9	+0.4	_	_	17.2	12.1‡	13.3	21.2	24.9	+3.8 s	_	_	20.9	16.1‡	21.0	30.0	33.0	+2.9
Female	_	_	7.4	5.4‡	6.2	10.1	13.4	+3.3 ss	_	_	11.1	9.7‡	12.7	21.8	24.9	+3.1	_	_	11.2	9.1‡	12.8	23.8	28.8	+5.0 s
College Plans:																								
None or under 4 years	_	_	15.7	18.2‡	14.6	19.2	20.5	+1.3	_	_	26.0	19.3‡	22.0	25.8	33.8	+8.1 ss	_	_	25.8	17.7‡	21.8	29.2	36.6	+7.4 s
Complete 4 years	_	_	7.3	5.3‡	5.8	9.3	11.1	+1.9	_	_	13.0	9.9‡	12.0	21.0	23.3	+2.4	_	_	14.2	11.6‡	15.1	26.4	29.1	+2.7
Region:																								
Northeast	_	_	6.1	6.5‡	6.9	7.3	10.3	+3.0	_	_	14.0	8.4‡	12.8	24.0	25.0	+1.0	_	_	16.0	12.8‡	18.3	32.9	29.4	-3.5
Midwest	_	_	7.9	7.2‡	7.6	12.5	13.2	+0.6	_	_	14.7	11.3‡	15.9	23.4	25.3	+1.9	_	_	17.2	14.8‡	17.1	25.6	31.2	+5.6
South	_	_	8.8	5.7‡	5.5	9.9	13.1	+3.2	_	_	16.0	12.1‡	11.9	20.8	24.6	+3.8	_	_	15.4	10.7‡	15.0	24.7	30.7	+6.0 s
West	_	_	8.0	6.1‡	7.5	11.6	11.4	-0.2	_	_	10.9	11.1‡	12.6	19.4	25.2	+5.8	_	_	17.3	13.6‡	18.3	26.9	32.5	+5.6
Population Density:																								
Large MSA	_	_	6.7	5.6‡	5.3	9.5	9.8	+0.3	_	_	13.9	13.2‡	14.7	22.3	21.6	-0.6	_	_	13.5	12.8‡	16.6	22.2	25.3	+3.1
Other MSA	_	_	7.9	5.9‡	7.3	11.0	11.3	+0.3	_	_	13.8	9.0‡	12.3	21.7	25.5	+3.7	_	_	17.6	11.8‡	16.1	29.5	32.4	+2.9
Non-MSA	_	_	10.0	8.0‡	7.1	10.2	18.4	+8.2 sss	_	_	15.9	12.2‡	12.8	20.7	29.2	+8.5 sss	_	_	17.8	14.0‡	18.5	28.1	36.7	+8.6 ss
Parental Education: a																								
1.0–2.0 (Low)	_	_	9.7	10.3‡	10.1	12.7	16.3	+3.6	_	_	14.2	9.2‡	12.9	20.3	25.5	+5.3	_	_	11.5	13.2‡	12.2	17.9	23.7	+5.8
2.5–3.0	_	_	9.8	7.8‡	8.7	11.3	16.3	+5.0 ss	_	_	16.1	15.1‡	14.4	22.2	28.7	+6.5 s	_	_	18.6	12.2‡	17.4	25.7	32.3	+6.6 s
3.5–4.0	_	_	10.6	6.7‡	6.9	12.2	13.7	+1.5	_	_	18.3	11.4‡	13.5	22.9	27.7	+4.8 s	_	_	17.2	11.9‡	14.8	29.1	33.7	+4.6
4.5–5.0	_	_	5.6	5.8‡	5.6	9.7	11.1	+1.4	_	_	13.8	10.6‡	13.6	23.1	24.0	+0.9	_	_	18.0	13.1‡	20.7	32.3	30.9	-1.5
5.5–6.0 (High)	_	_	6.5	4.0‡	5.8	7.5	8.8	+1.3	_	_	9.8	9.4‡	12.0	21.4	21.4	0.0	_	_	11.4	12.2‡	17.5	31.0	31.7	+0.8
Race/Ethnicity (2-year data): ^b																								
White	_	_	_	6.4‡	_	8.7	14.2	+5.5 sss	_	_	_	14.8‡	_	21.5	29.3	+7.8 sss	_	_	_	17.4‡	_	28.0	36.5	+8.5 sss
African American	_	_	_	6.2‡	_	3.3	6.0	+2.7 s	_	_	_	6.4‡	_	7.0	16.6	+9.7 sss	_	_	_	6.5‡	_	8.3	14.3	+6.0 sss
Hispanic	_			8.4‡	_	9.3	10.5	+1.3	_	_	_	10.3‡	_	14.1	22.3	+8.2 ss		_	_	11.5‡	_	15.2	23.3	+8.1 sss

Source. The Monitoring the Future study, the University of Michigan.

Notes.

'--' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.

‡' indicates some change in the question. Se relevant footnote for that drug. See relevant figures to assess the impact of the change.

See Tables S1, S2, and S3 for the number of subgroup cases. See appendix B for definition of variables in table. For 8th and 10th graders only: Data based on one of four forms; N is one third of N indicated in S1 and S2. For 12th graders only: Data based on two of six forms; N is two sixths of N indicated in Table S3.

In 2017, the surveys switched from asking about vaping in general to asking separately about vaping nicotine, marijuana, and just flavoring. Beginning in 2017, data presented for any vaping are based on these new questions. The 2017 results by race/ethnicity are based on data from the old version of the question in 2016 combined with the new version in 2017.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

stable estimates. See appendix B for details on how race/ethnicity is defined.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more

cn 2017, the surveys switched from asking about vaping in general to asking separately about vaping nicotine, marijuana, and just flavoring. Beginning in 2017, data presented for any vaping are based on these new questions.

TABLE 142

Vaping Nicotine: Trends in 30-Day

Prevalence of Use by Subgroups in Grades 8, 10, and 12

Percentage who used in last 30 days 10th Graders 8th Graders 12th Graders 2018-2018-2018-1991-2019 1991-2019 1976-2019 2013 change 2013 change 2013 change 2014 2015 2016 2017 2018 2019 2014 2015 2016 2017 2018 2019 2015 2016 2017 2018 2019 <u> 2014</u> Approximate weighted N = 15,300 14,000 13,600 13,500 14.300 14,000 12,600 13,300 12,900 Total 9.6 +3.4 sss 8.2 16.1 19.9 +3.8 s 20.9 25.5 +4.5 s 3.5 6 1 11.0 Gender: Male 3.7 6.8 8.8 8.2 16.2 20.3 +4.2 ss 24.1 28.1 3.3 5.3 10.3 8.1 15.9 19.5 +3.6 s 18.4 22.9 +4.5 s College Plans: None or under 4 years 9.2 12.8 16.4 +3.6 13.5 20.4 26.8 +6.5 s 14.5 22.9 29.9 +7.0 s Complete 4 years 2.9 5.3 18.7 +3.1 s 20.7 23.9 8.7 +3.4 sss 7.6 15.6 +3.2 Region: Northeast 3.2 4.4 7.9 18.1 20.0 +1.8 11.3 25.3 24.9 -0.4 Midwest 4.1 9.2 11.2 10.3 18.3 20.9 +2.5 11.5 20.9 27.4 +6.5 South 3.2 5.2 7.5 15.7 +3.7 19.2 9.6 +4.4 ss 19.3 10.1 25.2 +6.0 s West 9.0 7.5 12.9 20.0 +7.1 s 20.8 23.9 +3.1 Population Density: Large MSA 2.5 6.0 7.4 +1.3 9.7 17.9 15.9 -2.0 10.0 17.2 19.4 +2.2 Other MSA 3.7 6.7 9.1 +2.4 s 7.1 14.8 20.2 +5.4 s 10.7 23.1 26.7 +3.6 Non-MSA 16.4 26.0 +9.6 sss 22.3 32.6 +10.3 sss 45 5.0 +9.6 sss 8.5 13.0 Parental Education: a 1.0-2.0 (Low) 5.9 +5.9 ss 5.7 16.4 19.3 +2.9 11.4 15.2 +3.8 5.7 116 7.8 2.5-3.0 13.3 10.1 16.4 22.6 +6.2 s 17.9 25.8 +7.9 ss 3.8 5.8 11.7 3.5-4.0 3.8 8.1 10.7 8.2 14.7 21.8 +7.1 ss 9.6 21.5 28.0 +6.5 ss 4.5-5.0 3.5 5.8 8.5 20.0 +2.1 28.2 27.0 -1.2 5.5-6.0 (High) 2.8 4.8 6.9 7.9 18.1 17.9 -0.2 10.5 27.1 28.1 +1.1 Race/Ethnicity (2-year data): b White 5.5 12.1 +6.6 sss 16.4 25.8 +9.4 sss 22.9 32.4 +9.5 sss

2.7

8.5

9.5

15.6

+6.8 sss

+7.1 sss

4.6

7.7

10.1

13.9

+5.6 sss

+6.1 sss

Source. The Monitoring the Future study, the University of Michigan.

African American

Hispanic

Notes.

'—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Tables S1, S2, and S3 for the number of subgroup cases. See appendix B for definition of variables in table. For 8th and 10th graders only: Data based on one of

3.5

6.9

+1 9 s

+2.2 s

four forms; N is one third of N indicated in S1 and S2. For 12th graders only: Data based on two of six forms; N is two sixths of N indicated in Table S3.

1.6

4.7

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 143 Vaping Marijuana: Trends in 30-Day Prevalence of Use by Subgroups in Grades 8, 10, and 12

Percentage who used in last 30 days 8th Graders 10th Graders 12th Graders 2018-2018-2018-1991-2019 1991-2019 1976-2019 2013 2019 change 2013 2017 change 2013 2019 change 2014 2015 2016 2017 2018 2014 2015 2016 2018 2019 2014 2015 2016 2017 2018 Approximate weighted N = 15,300 14.000 13.600 13.500 14,300 14,000 12,600 13,300 12,900 Total 1.6 2.6 3.9 +1.3 ss 7.0 12.6 +5.6 sss 4.9 7.5 14.0 +6.5 sss 4.3 Gender: Male 1.8 2.9 3.3 +0.4 4.7 6.9 13.6 +6.7 sss 7.2 9.5 14.7 +5.1 sss +2.1 sss Female 1.6 2.3 2.9 5.5 13.0 +7.5 sss College Plans: None or under 4 years 4.9 8.7 8.2 -0.5 8.7 9.3 19.5 ### sss 5.8 8.3 17.1 +8.7 sss 3.3 Complete 4 years 3.7 6.6 7.1 1.2 1.8 +1.5 sss 11.2 +4.6 sss 12.7 +5.6 sss Region: Northeast 1.3 1.2 3.5 +2.3 ss 6.1 9.5 6.7 13.9 16.4 +2.5 Midwest 1.3 1.1 3.5 +2.4 sss 4.4 6.1 +5.7 ss 4.1 3.8 12.9 +9.1 sss South 1.6 2.7 3.1 5.0 +6.6 sss +0.5 2.6 4.8 11.2 +6.4 sss 3.5 11.6 West 2.5 5.2 +0.7 9.7 +5.3 s 10.7 18.9 +8.3 ss Population Density: Large MSA 8.0 2.7 3.2 +0.4 5.7 8.8 7.1 9.2 14.1 +4.9 sss Other MSA 1.9 3.1 4.6 +1.4 3.8 6.8 13.0 +6.2 sss 4.3 7.4 15.0 +7.5 sss Non-MSA 22 1.3 3.7 +2 4 sss 34 46 +4.2 sss 28 4.5 11.3 +6.8 sss Parental Education: a 1.0-2.0 (Low) 3.0 5.3 +0.8 5.1 8.8 +6.9 s 4.8 7.7 13.6 +5.9 s 6 1 2.5-3.0 2.9 3.9 +2.7 s 7.9 14.8 +6.9 sss 6.6 5.5 7.8 14.1 5.4 3.5-4.0 1.2 3.2 3.9 +0.7 4.1 7.7 15.1 +7.4 sss 3.8 7.4 14.2 +6.8 sss 4.5-5.0 1.0 1.4 3.7 4.9 7.5 12.3 +4.8 ss 5.5-6.0 (High) 1.2 0.6 2.4 +1.8 ss 4.5 6.5 10.0 +3.5 s 5.7 8.5 14.5 +6.1 sss Race/Ethnicity (2-year data): b White 13.9 +7.3 sss 1.5 3.2 +1.8 sss 6.1 12.5 +6.4 sss 6.7 +1.2 African American 1.2 2.4 26 10.1 +7.5 sss 2.5 8.0 +5.5 sss Hispanic 3.1 5.4 +2.3 ss 5.7 14.4 +8.7 sss 6.8 14.1 +7.3 sss

The Monitoring the Future study, the University of Michigan. Source

Notes

'-' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Tables S1, S2, and S3 for the number of subgroup cases. See appendix B for definition of variables in table. For 8th and 10th graders only: Data based on one of four forms; N is one third of N indicated in S1 and S2. For 12th graders only: Data based on two of six forms; N is two sixths of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 144

Vaping Just Flavoring: Trends in 30-Day

Prevalence of Use by Subgroups in Grades 8, 10, and 12

Percentage who used in last 30 days 8th Graders 10th Graders 12th Graders 2018-2018-2018-1991-2019 1991-2019 1976-2019 2013 2014 2015 2016 2017 2018 2019 change 2013 2015 2016 2017 2018 2019 change 2013 2015 2016 2017 2018 2019 change 14,000 13,600 14,300 14,000 13,300 Approximate weighted N = 15,300 13,500 12,600 Total 8.1 7.7 10.5 9.7 13.5 10.7 -2.8 ss Gender Male 6.0 8.1 6.9 -1.2 9.4 12.9 10.1 -2.9 s 11.6 15.0 11.0 -4.0 ss Female 4.8 8.0 8.6 +0.6 13.1 11.0 -2.1 7.9 11.8 10.2 -1.6 College Plans: None or under 4 years 11.5 13.2 13.0 -0.2 15.4 16.2 15.7 -0.5 13.0 15.3 13.5 -1.8 Complete 4 years 4.8 7.4 7.1 -0.4 12.6 9.6 -3.1 ss 8.6 13.0 9.8 -3.2 ss 8.4 Region: -4.3 -7.4 ss Northeast 5.2 5.6 6.4 +0.78.8 13.4 9.1 10.4 15.2 7.8 Midwest 7.0 10.3 8.2 -2.1 10.8 15.2 9.5 -5.7 sss 9.8 13.7 10.7 -3.0 South 4.1 7.5 8.8 +1.3 8.5 12.8 11.4 9.1 13.6 11.3 -2.3 -14 West 5.8 8.7 6.4 -2.3 11.3 11.2 -0.2 9.9 11.9 12.0 +0.1 Population Density: Large MSA 4.5 7.2 5.4 -1.8 8.6 11.9 6.3 -5.6 sss 8.8 9.7 7.0 -2.7 s Other MSA 5.8 6.8 13.7 11.1 -2.6 9.7 -4.2 s 8.6 -1.8 9.6 15.6 11.4 Non-MSA 5.4 8.3 13.6 13.7 16.2 11.0 15.2 15.3 +0.2 Parental Education: a 1.0-2.0 (Low) 7.5 8.5 10.9 +2.4 8.7 14.9 15.0 +0.1 7.5 11.4 11.4 0.0 2.5-3.0 -0.6 9.4 -1.0 7.4 8.1 10.8 +2.7 10.3 13.8 13.9 13.0 3.5-4.0 5.5 9.9 8.2 -1.7 10.6 14.5 11.5 -3.0 8.1 16.9 12.0 -4.9 s 4.5-5.0 4.6 -3.7 s 12.1 -6.1 sss 7.8 7.2 -0.6 8.7 12.4 8.7 14.5 8.4 5.5-6.0 (High) 4.5 6.9 5.3 -1.7 8.6 11.7 7.2 -4.5 s 11.1 11.3 7.8 -3.5 Race/Ethnicity (2-year data): b White 7.2 9.3 +2.1 s 13.1 12.4 -0.7 13.5 11.2 -2.3 s African American 2.4 4.4 +2.0 6.6 +1.9 5.6 6.2 +0.6

Source. The Monitoring the Future study, the University of Michigan.

Hispanic

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.

7.2

See Tables S1, S2, and S3 for the number of subgroup cases. See appendix B for definition of variables in table. For 8th and 10th graders only: Data based on one of four forms; N is one third of N indicated in S1 and S2. For 12th graders only: Data based on two of six forms; N is two sixths of N indicated in Table S3.

6.3

-0.8

aution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

9.7 +0.3

9.6

9.4 -0.2

9.4

TABLE 145

SMOKELESS TOBACCO: Trends in <u>30-Day Prevalence</u> of Use by Subgroups in <u>Grade 8</u>

						Perce	entage w	ho used	in last 30	days						
	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	2003	2004	2005	
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	
Total	6.9	7.0	6.6	7.7	7.1	7.1	5.5	4.8	4.5	4.2	4.0	3.3	4.1	4.1	3.3	
Gender:																
Male	12.7	12.5	10.9	12.8	11.8	11.4	9.9	8.1	6.9	6.7	6.9	5.4	6.7	6.4	5.3	
Female	1.4	2.0	2.7	2.4	2.9	2.9	1.5	1.5	2.1	1.8	1.4	1.3	1.8	1.7	1.5	
College Plans:																
None or under 4 years	12.7	17.1	15.5	16.7	15.4	16.4	12.6	13.9	13.2	11.4	14.6	10.2	12.8	12.3	10.8	
Complete 4 years	6.1	5.5	5.3	6.5	6.0	5.6	4.6	3.8	3.5	3.4	2.9	2.6	3.3	3.2	2.4	
Region:																
Northeast	5.0	4.9	3.4	6.1	5.4	4.9	3.2	2.7	2.5	2.7	3.7	2.7	3.1	3.4	1.4	
Midwest	7.1	7.5	7.2	7.1	7.6	8.3	6.8	4.3	5.3	4.8	4.0	3.9	3.5	4.2	3.2	
South	9.5	9.3	8.0	9.9	8.7	8.1	6.7	6.9	5.9	5.8	5.4	4.1	5.9	5.5	5.3	
West	3.5	4.4	6.3	6.0	5.0	5.9	4.1	3.9	2.9	1.9	2.1	1.5	2.5	2.0	1.4	
Population Density:																
Large MSA	4.8	4.2	3.3	4.6	4.1	4.2	3.6	2.9	1.8	2.4	2.4	1.5	2.6	1.9	1.3	
Other MSA	6.2	6.9	6.8	6.4	6.7	7.1	4.7	4.1	3.9	3.9	3.5	2.9	3.7	3.6	2.8	
Non-MSA	10.4	10.3	9.9	13.0	11.2	10.6	9.0	8.5	8.9	7.0	7.0	6.2	6.9	7.7	7.0	
Parental Education: a																
1.0-2.0 (Low)	11.4	7.8	9.4	8.9	10.6	6.3	8.3	5.4	6.6	7.4	5.0	4.5	6.8	6.9	5.7	
2.5–3.0	8.4	8.5	7.5	8.4	9.9	8.8	6.0	5.1	5.7	5.2	5.4	5.1	5.1	6.0	4.9	
3.5–4.0	6.7	7.0	7.5	8.7	7.0	7.2	6.5	5.9	4.5	4.5	3.7	3.2	4.1	3.5	3.1	
4.5–5.0	4.8	7.0	5.2	6.1	5.0	6.8	4.8	4.4	3.3	2.9	2.5	2.4	3.1	3.2	2.4	
5.5-6.0 (High)	6.1	4.6	4.9	6.8	5.8	5.9	3.7	3.9	3.1	3.0	4.2	2.5	2.7	2.9	1.8	
Race/Ethnicity (2-year average): b																
White	_	8.3	8.0	8.1	8.9	8.8	7.6	6.1	5.4	5.2	4.8	4.1	3.9	4.4	4.2	
African American	_	1.8	2.7	3.2	2.6	2.2	2.6	2.3	2.3	2.7	2.2	1.6	2.7	3.0	2.0	
Hispanic		4.2	4.0	5.0	5.7	5.2	4.6	4.5	4.6	3.7	3.3	4.0	4.7	4.0	2.6	

TABLE 145 (cont.)

SMOKELESS TOBACCO: Trends in 30-Day Prevalence of Use by Subgroups in Grade 8

					F	ercentaç	ge who u	sed in la	st 30 day	/S					
	2006	2007	2008	2009	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	2017	<u>2018</u>	<u>2019</u>	2018-2019 <u>change</u>
Approximate weighted N =	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	14,400	16,900	15,300	14,000	13,600	
Total	3.7	3.2	3.5	3.7	4.1	3.5	2.8	2.8	3.0	3.2	2.5	1.7	2.1	2.5	+0.4
Gender:															
Male	5.3	4.7	5.5	6.3	6.3	4.9	4.0	3.8	3.8	4.0	3.6	2.2	3.0	3.3	+0.3
Female	2.1	1.7	1.5	1.4	1.9	1.9	1.5	1.9	2.2	2.3	1.4	1.3	1.1	1.6	+0.5
College Plans:															
None or under 4 years	11.3	8.9	12.7	11.1	14.0	11.1	11.5	9.2	9.6	11.3	9.1	7.2	6.7	7.5	+0.8
Complete 4 years	2.9	2.7	2.7	3.1	3.2	2.8	2.1	2.4	2.4	2.4	2.0	1.2	1.4	1.8	+0.5
Region:															
Northeast	2.9	1.5	2.5	3.2	3.9	2.9	2.6	1.8	1.3	1.7	1.9	1.9	2.0	1.0	-1.0
Midwest	4.0	2.9	3.4	3.0	4.8	3.3	2.1	1.4	2.7	2.8	2.4	1.4	2.0	2.5	+0.5
South	4.6	4.1	5.2	5.6	5.0	4.3	3.6	4.7	3.7	4.0	3.3	1.9	1.5	3.8	+2.3 SS
West	2.2	2.8	1.8	1.8	1.9	2.6	2.0	2.0	3.2	3.0	1.6	1.6	3.1	1.5	-1.6
Population Density:															
Large MSA	1.9	1.9	2.8	2.5	2.3	1.8	1.4	1.7	1.8	1.8	1.0	1.3	1.2	1.4	+0.2
Other MSA	3.1	3.1	3.1	3.6	4.7	3.7	3.1	2.6	2.7	2.8	2.6	1.6	2.0	2.4	+0.4
Non-MSA	7.1	5.3	5.4	5.8	5.0	5.4	4.2	4.9	5.2	5.8	4.7	2.7	3.5	4.5	+0.9
Parental Education: a															
1.0-2.0 (Low)	5.9	4.9	5.4	5.3	5.2	6.6	4.2	4.1	5.6	4.4	3.4	2.9	1.8	4.0	+2.2
2.5–3.0	3.9	3.7	5.1	5.5	6.0	4.2	3.8	3.5	4.4	4.0	2.8	2.3	3.1	3.5	+0.4
3.5–4.0	3.7	3.1	3.8	4.9	4.1	3.3	3.2	3.7	3.0	3.6	3.2	2.2	2.9	3.0	+0.1
4.5–5.0	3.1	2.5	2.4	2.9	3.3	2.7	2.0	1.6	1.9	2.5	2.0	1.0	1.5	2.0	+0.5
5.5-6.0 (High)	3.4	2.3	2.3	1.4	2.5	1.5	1.4	1.8	1.9	1.9	1.2	0.5	0.9	1.4	+0.5
Race/Ethnicity (2-year average): b															
White	3.7	3.8	3.9	4.4	4.9	4.6	3.6	3.1	3.4	3.5	3.4	2.6	1.9	2.1	+0.2
African American	2.1	2.3	2.4	2.6	2.2	1.8	1.8	2.2	2.0	2.2	2.4	1.9	1.8	2.3	+0.5
Hispanic	3.1	2.9	2.4	2.5	2.6	3.2	3.1	2.4	2.6	2.7	2.2	1.9	2.0	2.3	+0.3

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .001, '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1991–1996 and on two of four forms beginning in 1997; N is one half of N indicated in Table S1. In 2011 snus and dissolvable tobacco were added to the list of examples.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 146

SMOKELESS TOBACCO: Trends in 30-Day Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 30 days														
	1991	1992	<u>1993</u>	1994	<u>1995</u>	1996	<u>1997</u>	1998	1999	2000	2001	2002	2003	2004	2005
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200
Total	10.0	9.6	10.4	10.5	9.7	8.6	8.9	7.5	6.5	6.1	6.9	6.1	5.3	4.9	5.6
Gender:															
Male	18.7	18.1	19.3	19.2	17.2	15.0	14.9	13.8	12.2	11.4	12.7	9.9	9.6	9.0	9.7
Female	1.3	1.8	2.0	2.1	2.1	2.3	2.7	1.7	1.3	1.3	1.6	2.1	1.3	1.0	1.6
College Plans:															
None or under 4 years	16.9	17.5	20.2	19.9	20.3	16.3	18.5	17.8	13.2	13.9	16.0	13.6	13.0	12.2	13.3
Complete 4 years	8.4	8.0	8.4	8.5	7.8	7.2	7.2	5.7	5.4	4.8	5.4	4.8	4.1	3.9	4.5
Region:															
Northeast	8.6	5.3	8.0	9.0	7.6	6.8	9.3	6.5	5.2	4.6	4.9	4.7	4.5	5.1	4.6
Midwest	11.0	9.6	10.0	10.0	11.0	9.5	7.1	7.9	8.1	6.2	7.0	4.8	4.9	3.7	5.7
South	11.6	11.4	11.8	11.7	10.9	10.2	10.2	9.5	7.9	7.7	9.6	8.3	7.5	7.3	7.0
West	7.8	10.9	11.1	10.9	7.7	6.0	8.2	4.6	4.0	4.5	3.0	5.1	3.5	3.0	4.5
Population Density:															
Large MSA	5.9	6.4	6.5	6.2	5.9	5.5	4.2	3.7	4.6	5.6	4.1	4.5	3.7	3.0	3.2
Other MSA	9.2	9.3	10.1	10.9	9.2	8.4	8.3	5.7	5.3	4.3	5.7	6.1	4.8	4.3	5.3
Non-MSA	14.7	13.3	14.1	13.9	15.0	12.2	14.7	15.1	11.3	9.8	12.5	8.2	9.2	9.0	9.4
Parental Education: a															
1.0–2.0 (Low)	6.6	10.1	10.9	9.4	9.6	8.1	9.0	6.8	7.2	7.4	6.9	6.7	7.4	3.7	4.4
2.5–3.0	12.1	11.0	12.2	12.5	10.4	9.7	9.4	8.2	7.0	6.4	8.9	8.1	5.0	5.8	6.7
3.5–4.0	10.6	10.5	10.9	10.2	10.9	8.3	10.3	8.6	7.3	6.3	7.1	5.5	4.9	5.2	6.0
4.5–5.0	9.3	7.6	9.9	9.8	9.8	8.5	7.2	6.9	6.1	6.2	5.7	5.4	5.7	4.4	5.6
5.5–6.0 (High)	8.6	8.1	7.0	8.9	6.0	7.7	8.3	5.2	4.8	4.0	4.8	5.2	4.3	4.4	3.8
Race/Ethnicity (2-year average): b															
White	_	11.4	12.0	12.5	12.0	11.0	10.4	10.0	8.7	7.5	7.5	7.8	6.9	6.1	6.6
African American	_	2.9	2.3	2.3	2.5	2.5	2.8	2.3	1.6	2.0	3.2	2.6	2.5	2.7	2.5
Hispanic	_	6.2	6.1	4.3	3.6	4.0	4.6	4.8	4.8	4.5	4.0	4.0	4.1	3.3	3.1

TABLE 146 (cont.)

SMOKELESS TOBACCO: Trends in 30-Day Prevalence of Use by Subgroups in Grade 10

					F	Percentaç	ge who u	sed in la	st 30 day	/S					
	<u>2006</u>	2007	2008	2009	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	2018-2019 <u>change</u>
Approximate weighted N =	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	15,600	14,700	13,500	14,300	14,000	
Total	5.7	6.1	5.0	6.5	7.5	6.6	6.4	6.4	5.3	4.9	3.5	3.8	3.9	3.2	-0.7
Gender:															
Male	10.2	10.2	8.2	11.1	13.0	11.5	11.2	11.1	8.9	7.9	5.8	6.1	6.2	5.3	-1.0
Female	1.2	2.0	2.0	2.0	2.0	1.9	1.9	2.0	1.9	1.8	1.3	1.5	1.4	1.4	0.0
College Plans:															
None or under 4 years	14.9	14.0	14.6	17.5	21.8	17.9	16.8	18.6	17.9	12.3	10.1	10.2	10.2	6.2	-4.1 s
Complete 4 years	4.5	5.0	3.8	5.3	5.8	5.2	5.3	5.1	4.1	4.0	2.8	2.9	2.9	2.7	-0.2
Region:															
Northeast	4.5	5.9	3.3	6.6	6.7	5.6	4.3	6.4	4.1	4.8	2.7	3.0	3.4	1.9	-1.5
Midwest	7.5	6.3	7.2	7.7	9.2	6.4	7.9	6.9	5.7	5.1	3.3	4.4	4.2	3.1	-1.1
South	6.0	8.3	6.5	7.7	9.1	7.9	8.1	6.9	6.8	5.5	4.6	3.8	5.1	3.5	-1.6
West	4.1	3.3	2.2	3.3	4.0	5.4	4.0	5.4	3.6	3.6	2.9	3.8	2.0	3.7	+1.8
Population Density:															
Large MSA	3.9	4.1	3.4	4.8	5.1	4.6	3.6	5.1	4.1	3.5	2.7	3.4	3.3	1.8	-1.5
Other MSA	5.3	5.8	4.4	6.3	7.0	6.1	6.3	5.3	4.4	4.3	2.9	2.6	3.4	3.3	-0.1
Non-MSA	9.6	9.9	8.7	9.3	12.1	10.2	10.5	11.2	9.5	8.6	6.8	7.2	5.9	5.4	-0.5
Parental Education: a															
1.0-2.0 (Low)	7.4	6.1	5.0	7.9	6.5	6.4	7.2	5.6	4.7	4.7	2.4	3.4	3.0	4.6	+1.6
2.5–3.0	7.1	6.9	6.5	7.4	9.1	8.8	7.7	8.4	6.7	7.1	4.9	3.6	4.6	3.6	-1.0
3.5-4.0	5.7	6.4	5.4	7.4	8.7	7.2	7.5	6.9	5.8	4.2	4.0	4.6	3.8	2.5	-1.3
4.5–5.0	4.9	6.1	4.6	5.4	7.0	5.2	6.1	5.9	4.3	5.0	3.0	3.6	4.2	3.5	-0.7
5.5-6.0 (High)	5.3	4.8	2.9	5.6	6.0	5.3	3.8	5.3	4.6	3.8	2.8	3.6	4.0	2.6	-1.4
Race/Ethnicity (2-year average): b															
White	6.9	7.3	7.3	7.5	9.1	9.1	8.0	8.1	7.7	6.5	5.7	5.3	5.5	5.0	-0.5
African American	3.2	3.3	2.8	2.6	2.3	2.2	2.3	2.2	2.5	2.8	2.4	1.9	1.4	1.8	+0.4
Hispanic	3.4	2.7	2.6	2.9	2.8	3.4	4.4	3.4	3.0	3.1	1.9	1.7	2.4	2.7	+0.2

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .001, '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1991–1996 and on two of four forms beginning in 1997; N is one half of N indicated in Table S2. In 2011 snus and dissolvable tobacco were added to the list of examples.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 147

SMOKELESS TOBACCO: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

						F	Percentaç	ge who u	sed in la	st 30 day	/S					
Approximate weighted N =	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u> 15,200	<u>1987</u> 16,300	<u>1988</u> 16,300	<u>1989</u> 16,700	1990 ^a
Total	_	_	_	_	_	_	_	_	_	_	_	11.5	11.3	10.3	8.4	_
Gender:	_	_	_	_	_	_	_	_	_	_	_	11.5	11.3	10.3	8.4	_
												00.0	00.0	40.0	45.0	
Male	_	_	_	_		_	_	_		_	_	22.3	22.8	19.9	15.9	_
Female			_						_	_	_	1.6	0.7	1.7	1.2	_
College Plans:																
None or under 4 years	_	_	_	_	_	_	_	_	_	_	_	14.5	15.5	13.1	9.6	_
Complete 4 years	_	_	_	_	_	_	_	_	_	_	_	9.8	9.0	8.8	7.7	_
Region:																
Northeast	_	_	_	_	_	_	_	_	_	_	_	9.5	7.3	5.9	5.0	_
Midwest	_	_	_	_	_	_	_	_	_	_	_	13.5	11.3	10.8	8.3	_
South	_		_	_	_	_	_	_	_	_	_	12.2	13.7	12.1	9.8	_
West	_	_	_	_	_	_	_	_	_	_	_	9.3	11.7	10.9	9.1	_
Population Density:																
Large MSA	_	_	_	_	_	_	_	_	_	_	_	9.0	6.4	7.7	6.8	_
Other MSA	_	_	_	_	_	_	_	_	_	_	_	8.9	10.5	8.5	7.6	_
Non-MSA	_		_		_					_	_	17.1	17.5	16.1	11.7	_
Parental Education: b																
1.0–2.0 (Low)	_		_		_					_	_	8.6	11.7	10.7	5.3	_
2.5–3.0	_		_	_	_	_	_	_	_	_	_	14.4	11.5	10.7	7.0	_
3.5-4.0	_	_	_	_	_	_	_	_	_	_	_	11.5	12.1	10.6	9.0	_
4.5–5.0	_	_	_	_	_	_	_	_	_	_	_	10.4	11.7	11.8	10.2	_
5.5–6.0 (High)	_		_	_	_	_	_	_	_	_	_	7.7	8.1	7.2	8.4	_
Race/Ethnicity (2-year average): °																
White	_	_	_	_	_	_	_	_	_	_	_	_	12.9	12.0	10.6	_
African American	_	_	_	_	_	_	_	_	_	_	_	_	2.1	4.5	4.5	_
Hispanic													4.4	5.2	5.1	

TABLE 147 (cont.)

SMOKELESS TOBACCO: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

						F	Percenta	ge who u	sed in la	st 30 day	'S					
	<u>1991^a</u>	1992	1993	1994	1995	1996	<u>1997</u>	<u>1998</u>	1999	2000	2001	2002	2003	2004	2005	2006
Approximate weighted N =	_	15,800	16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200
Total	_	11.4	10.7	11.1	12.2	9.8	9.7	8.8	8.4	7.6	7.8	6.5	6.7	6.7	7.6	6.1
Gender:																
Male	_	20.8	19.7	20.3	23.6	19.5	18.7	15.6	15.5	14.4	14.2	12.2	12.5	12.2	12.7	11.0
Female	_	2.0	2.3	2.6	1.8	1.1	1.2	1.5	1.3	1.3	1.6	1.2	1.0	1.6	1.9	1.5
College Plans:																
None or under 4 years	_	18.0	14.9	15.8	18.7	17.6	16.9	14.3	10.5	15.8	13.0	10.8	12.8	11.9	15.2	13.4
Complete 4 years	_	9.4	9.4	9.3	9.9	7.6	7.4	7.1	7.6	5.4	6.1	4.8	4.8	4.9	5.4	4.1
Region:																
Northeast	_	8.2	9.6	12.0	9.6	8.4	6.9	2.6	4.3	5.3	5.4	5.3	6.3	5.1	8.0	5.3
Midwest	_	12.3	13.6	14.7	16.7	12.6	13.4	11.8	8.9	11.1	9.9	7.8	5.7	7.4	10.5	7.0
South	_	12.5	11.1	9.7	11.9	9.2	9.0	10.5	10.7	7.3	8.5	7.9	7.9	8.4	7.5	7.5
West	_	11.1	7.0	8.5	8.6	8.5	9.1	7.3	7.0	6.3	6.2	3.9	6.0	4.3	4.0	3.4
Population Density:																
Large MSA	_	5.9	7.1	7.5	12.5	8.6	6.5	4.7	4.9	4.2	4.4	3.4	3.4	3.8	4.3	4.8
Other MSA	_	11.1	9.9	11.3	9.5	7.4	7.4	7.7	8.5	7.9	8.0	5.7	6.9	5.6	7.8	4.6
Non-MSA	_	16.9	15.0	14.7	16.7	15.3	17.9	16.1	11.7	11.4	11.5	11.9	10.4	12.1	11.3	10.9
Parental Education: b																
1.0–2.0 (Low)	_	14.9	7.0	12.3	9.8	6.3	5.8	6.1	5.4	4.3	6.3	4.1	9.3	6.1	5.3	4.9
2.5–3.0	_	12.4	11.6	12.9	11.5	10.4	10.7	9.0	9.1	9.9	7.5	5.6	5.9	8.8	9.7	8.0
3.5–4.0	_	12.4	10.8	9.8	12.8	9.1	10.4	9.8	8.8	8.9	8.6	7.4	6.5	4.6	7.8	6.4
4.5–5.0	_	8.0	13.3	11.1	12.8	11.4	9.1	9.6	8.5	6.2	6.2	7.3	7.6	7.9	8.0	6.1
5.5-6.0 (High)	_	10.6	7.8	10.2	11.6	8.1	9.9	7.4	7.9	5.7	10.3	4.6	6.2	5.4	3.7	3.5
Race/Ethnicity (2-year average): c																
White	_	_	13.8	13.8	13.8	13.0	12.2	11.8	11.0	10.5	10.3	9.7	8.5	8.2	8.7	8.8
African American	_	_	2.0	1.9	2.1	2.7	2.2	1.4	1.5	1.5	1.2	1.0	1.0	0.6	0.3	0.5
Hispanic	_	_	6.0	5.4	7.6	8.1	5.3	4.3	3.9	3.8	3.2	2.6	3.1	3.9	4.9	3.8

TABLE 147 (cont.) **SMOKELESS TOBACCO:** Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

					Perce	entage w	ho used	in last 30	days					
	2007	2008	2009	2010	2011	2012	2013	2014	<u>2015</u>	2016	2017	2018	2019	2018-2019 <u>change</u>
Approximate weighted N =	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	6.6	6.5	8.4	8.5	8.3	7.89	8.1	8.4	6.1	6.6	4.9	4.2	3.5	-0.7
Gender:														
Male	11.9	11.8	15.8	15.7	14.2	13.49	14.6	14.3	10.7	11.9	9.9	7.6	5.7	-2.0
Female	1.2	1.0	1.7	1.7	1.8	1.58	1.4	2.1	1.6	1.5	0.7	1.0	1.1	+0.1
College Plans:														
None or under 4 years	11.7	12.4	14.2	14.4	17.5	14.96	16.1	15.0	14.3	11.7	11.4	8.3	7.1	-1.3
Complete 4 years	5.3	5.0	7.3	7.3	6.4	6.01	6.2	6.5	4.4	5.1	3.4	3.0	2.5	-0.5
Region:														
Northeast	5.3	7.5	7.1	7.6	8.2	7.14	5.6	9.6	5.8	6.7	7.6	3.0	2.5	-0.5
Midwest	9.1	7.2	14.1	12.2	7.8	10.49	11.2	11.8	6.9	7.4	3.5	6.3	3.0	-3.4
South	7.9	6.1	7.1	7.8	8.9	7.73	9.3	5.9	6.1	7.5	5.6	4.9	4.5	-0.4
West	2.8	5.6	4.6	6.7	7.7	5.92	5.2	8.4	5.7	4.3	3.4	1.5	2.7	+1.2
Population Density:														
Large MSA	3.9	2.6	4.4	5.9	5.3	6.35	7.1	3.8	3.1	3.4	2.6	1.7	1.6	-0.1
Other MSA	6.8	6.2	7.7	7.9	8.4	6.39	7.4	9.8	5.1	7.3	5.4	4.3	2.5	-1.7
Non-MSA	10.1	11.8	15.0	13.8	12.4	14.11	11.4	11.1	13.5	10.2	7.8	8.4	9.2	+0.8
Parental Education: ^b														
1.0-2.0 (Low)	5.3	3.4	2.8	6.1	2.2	5.26	7.9	6.3	6.6	5.5	1.9	0.6	2.9	+2.3
2.5–3.0	9.8	7.2	10.4	8.2	9.3	10.04	7.9	9.3	7.1	7.1	5.4	5.0	4.0	-0.9
3.5–4.0	5.3	6.8	9.4	8.7	8.2	8.46	6.7	8.1	6.5	6.7	6.3	5.2	3.9	-1.3
4.5–5.0	6.6	6.5	7.7	9.8	9.9	8.43	10.5	9.5	6.0	7.8	6.0	4.9	3.2	-1.8
5.5-6.0 (High)	5.8	6.3	8.7	7.5	6.3	4.72	7.7	7.9	4.9	6.2	3.6	4.5	3.4	-1.1
Race/Ethnicity (2-year average): °														
White	8.3	8.6	10.5	12.1	11.8	11.31	11.0	11.4	10.2	9.6	9.4	7.7	5.6	-2.0 ss
African American	1.8	2.0	1.5	2.2	1.8	1.0	2.4	2.6	1.3	2.0	2.4	1.7	1.3	-0.4
Hispanic	2.7	2.3	2.5	3.7	3.9	2.53	2.3	3.4	3.6	1.8	1.1	1.2	1.5	+0.3

Notes.

Level of significance of difference between the two most recent classes: s = .05, ss = .001, '-' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of six forms; N is one sixth of N indicated in Table S3. In 2011 snus and dissolvable tobacco were added to the list of examples.

Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aPrevalence of smokeless tobacco use was not asked of 12th graders in 1990 and 1991. Prior to 1990 the prevalence-of-use question on smokeless tobacco was located near the end of one 12th-grade questionnaire form, whereas after 1991 the question was placed earlier and in a different form. This shift could explain the discontinuities between the corresponding data.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

[°]To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 148

SMOKELESS TOBACCO: Trends in 30-Day Prevalence of Daily Use by Subgroups in Grade 8

						Percent	age who	used da	ily in las	t 30 days	3					
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
Approximate weighted N =		18,600									16,200			17.000	16.800	
Total	1.6	1.8	1.5	1.9	1.2	1.5	1.0	1.0	0.9	0.9	1.2	0.8	0.8	1.0	0.7	
Gender:																
Male	3.1	3.4	2.9	3.2	2.2	2.9	1.7	1.8	1.6	1.5	2.5	1.5	1.4	1.7	1.2	
Female	0.2	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.3	0.1	0.2	0.2	0.3	0.2	
College Plans:																
None or under 4 years	4.1	5.6	4.4	5.4	3.5	5.1	3.6	6.1	3.8	2.7	4.5	4.5	4.0	3.8	2.4	
Complete 4 years	1.2	1.2	1.1	1.4	0.9	1.0	0.6	0.5	0.5	0.7	0.9	0.5	0.5	0.7	0.5	
Region:																
Northeast	1.2	0.9	0.6	8.0	0.6	8.0	0.6	0.4	0.1	0.4	0.7	0.6	8.0	1.0	0.1	
Midwest	1.5	1.6	1.6	1.4	1.1	2.0	1.2	1.3	0.9	1.3	1.1	1.1	0.6	0.6	0.3	Table continued on next page.
South	2.4	3.0	2.2	3.3	1.8	2.0	1.5	1.3	1.6	1.3	2.1	1.0	1.3	1.7	1.4	
West	0.6	8.0	1.0	0.9	8.0	8.0	0.2	0.7	0.3	0.2	0.1	0.2	0.2	0.3	0.2	
Population Density:																
Large MSA	0.5	0.6	0.7	0.7	0.4	0.4	0.5	0.4	0.3	0.2	0.3	0.4	0.7	0.4	*	
Other MSA	1.2	1.9	1.5	1.0	0.9	1.2	8.0	0.6	8.0	8.0	0.8	0.6	0.6	0.6	0.5	
Non-MSA	3.3	2.8	2.5	4.6	2.6	3.4	1.6	2.6	1.8	2.0	2.9	1.8	1.5	2.6	1.9	
Parental Education: a																
1.0-2.0 (Low)	2.8	3.5	2.0	3.0	2.2	1.5	3.2	2.6	0.9	1.4	1.8	2.2	1.8	2.8	1.4	
2.5–3.0	2.2	2.6	1.9	2.7	1.7	3.1	1.1	1.5	1.6	1.4	2.1	1.0	1.0	1.1	0.5	
3.5–4.0	1.4	1.2	1.8	1.9	1.2	1.7	0.9	1.3	8.0	1.3	0.3	1.0	0.8	0.8	8.0	
4.5–5.0	8.0	1.3	1.1	1.1	0.9	0.3	8.0	0.5	0.5	0.4	0.5	0.3	0.2	0.7	8.0	
5.5-6.0 (High)	1.0	0.9	0.6	0.7	8.0	8.0	0.4	0.5	0.4	0.4	1.7	0.9	1.1	0.8	0.4	
Race/Ethnicity (2-year average): b																
White	_	2.0	2.0	2.0	1.9	1.7	1.5	1.2	1.1	1.1	1.2	1.0	0.7	0.9	0.9	
African American	_	0.3	0.4	0.7	0.6	0.4	0.5	0.4	0.4	0.4	0.5	0.5	0.6	0.5	0.2	
Hispanic	_	8.0	0.9	0.9	0.7	1.1	0.9	8.0	1.0	8.0	0.8	8.0	0.9	0.9	0.4	

TABLE 148 (cont.)

SMOKELESS TOBACCO: Trends in 30-Day Prevalence of Daily Use by Subgroups in Grade 8

					Per	centage	who use	d daily ir	last 30	days					
	2006	2007	2008	2009	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	2018-2019 <u>change</u>
Approximate weighted N =	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	14,400	16,900	15,300	14,000	13,600	
Total	0.7	8.0	8.0	8.0	0.9	8.0	0.5	0.5	0.5	0.8	0.6	0.4	0.3	0.5	+0.2
Gender:															
Male	1.1	1.6	1.2	1.4	1.5	1.5	8.0	0.9	0.9	1.2	1.2	0.5	0.5	8.0	+0.3
Female	0.3	0.1	0.4	0.3	0.3	0.2	0.1	0.1	0.3	0.3	0.1	0.2	0.1	0.2	+0.1
College Plans:															
None or under 4 years	4.0	3.2	5.0	2.5	4.0	3.6	2.3	1.9	3.1	3.3	2.8	2.3	1.4	1.3	-0.1
Complete 4 years	0.4	0.6	0.4	0.7	0.6	0.6	0.4	0.4	0.3	0.5	0.4	0.2	0.1	0.4	+0.3 s
Region:															
Northeast	0.6	0.2	0.9	1.1	0.7	0.7	0.5	0.1	0.1	0.2	0.6	8.0	0.2	0.2	0.0
Midwest	0.5	0.5	0.4	0.6	0.9	0.6	0.2	0.4	0.3	0.4	0.4	0.2	0.2	0.5	+0.2
South	1.1	1.5	1.3	1.3	1.5	1.1	0.7	0.9	8.0	1.1	1.0	0.5	0.4	0.9	+0.5
West	0.4	0.4	0.3	0.1	0.2	0.4	0.5	0.3	8.0	8.0	0.2	0.1	0.5	0.2	-0.3
Population Density:															
Large MSA	0.3	0.4	0.4	0.5	0.4	0.2	0.2	0.1	0.2	0.4	0.1	0.3	0.1	0.3	+0.2
Other MSA	0.6	0.7	0.7	0.6	1.1	8.0	0.5	0.5	0.2	0.5	0.7	0.3	0.3	0.4	0.0
Non-MSA	1.6	1.7	1.5	1.7	1.1	1.7	1.0	1.2	1.8	1.8	1.3	0.7	0.7	1.2	+0.5
Parental Education: a															
1.0-2.0 (Low)	1.3	1.9	1.5	1.6	1.0	1.6	0.3	0.9	1.5	0.7	0.9	0.3	0.0	0.6	+0.6
2.5-3.0	0.9	1.0	1.3	0.9	1.9	0.9	0.6	8.0	1.3	1.3	0.6	8.0	0.3	0.7	+0.4
3.5-4.0	0.7	0.8	8.0	1.3	8.0	0.9	1.0	0.6	0.2	0.3	0.6	0.5	0.6	0.5	0.0
4.5–5.0	0.6	0.6	0.3	0.4	0.4	0.7	0.3	0.3	0.0	0.7	0.2	0.1	0.0	0.4	+0.4
5.5-6.0 (High)	0.5	0.5	0.6	0.2	0.2	0.1	0.2	0.2	0.6	0.4	8.0	0.3	0.2	0.3	+0.2
Race/Ethnicity (2-year average): b															
White	0.7	0.9	0.9	0.9	1.0	1.0	0.9	0.7	0.8	0.9	0.9	0.7	0.5	0.4	0.0
African American	0.5	0.5	0.7	1.0	0.7	0.5	0.3	0.3	0.2	0.2	0.3	0.4	0.4	0.6	+0.2
Hispanic	0.5	0.5	0.4	0.3	0.4	0.4	0.3	0.1	0.1	0.3	0.3	0.2	0.3	0.4	+0.2

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available.'*' indicates less than 0.05% but greater than 0%. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^{1991–1996} and on two of four forms beginning in 1997; N is one half of N indicated in Table S1.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and

TABLE 149
SMOKELESS TOBACCO: Trends in 30-Day Prevalence of Daily Use by Subgroups in Grade 10

						Percent	age who	used da	ily in las	t 30 days	3				
	1991	1992	<u>1993</u>	1994	<u>1995</u>	<u>1996</u>	1997	1998	1999	2000	2001	2002	2003	2004	2005
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200
Total	3.3	3.0	3.3	3.0	2.7	2.2	2.2	2.2	1.5	1.9	2.2	1.7	1.8	1.6	1.9
Gender:															
Male	6.3	6.3	6.4	5.9	5.2	4.2	4.0	4.3	3.2	3.9	4.5	3.0	3.7	3.0	3.4
Female	0.2	0.1	0.3	0.2	0.2	0.2	0.3	0.3	0.1	0.2	0.3	0.2	0.1	0.2	0.3
College Plans:															
None or under 4 years	7.6	8.5	8.8	6.5	7.8	5.4	6.3	6.4	3.6	5.9	6.6	4.6	4.8	5.0	5.4
Complete 4 years	2.3	1.9	2.2	2.2	1.9	1.6	1.5	1.5	1.2	1.2	1.5	1.0	1.3	1.1	1.3
Region:															
Northeast	1.8	1.0	1.7	3.0	2.0	1.3	1.5	1.2	1.2	0.9	1.1	8.0	1.6	2.1	1.3
Midwest	3.1	2.9	2.5	2.4	2.5	2.1	1.4	2.1	2.0	2.1	2.1	1.3	1.3	8.0	1.7
South	4.7	4.5	5.2	3.3	4.1	3.3	3.5	3.8	2.0	2.8	3.6	2.6	3.0	2.6	2.8
West	2.7	2.9	3.1	3.6	1.1	1.0	1.7	8.0	0.7	1.0	0.9	1.1	8.0	0.6	1.2
Population Density:															
Large MSA	1.5	1.6	1.1	1.0	1.5	0.6	0.8	1.0	8.0	1.6	0.8	1.3	1.2	8.0	8.0
Other MSA	3.1	2.8	3.2	3.5	2.3	2.3	1.7	1.5	1.0	1.0	1.7	1.4	1.5	1.3	1.4
Non-MSA	5.0	4.9	5.3	4.2	4.9	3.6	4.6	5.0	3.5	3.8	5.0	2.6	3.5	3.4	4.2
Parental Education: a															
1.0-2.0 (Low)	2.5	3.9	4.1	3.2	3.6	1.7	3.8	2.6	1.7	2.4	3.8	1.7	1.7	1.5	2.0
2.5–3.0	4.8	5.0	4.3	3.8	3.4	3.4	2.0	2.8	1.7	2.3	3.2	1.2	2.1	1.8	2.6
3.5-4.0	3.3	2.8	3.1	3.0	2.8	1.4	2.4	2.7	1.6	1.6	1.5	2.0	1.9	2.4	2.0
4.5–5.0	2.5	1.7	2.5	2.7	2.9	2.3	1.7	1.8	1.6	1.9	1.9	1.5	1.7	0.7	1.7
5.5-6.0 (High)	2.5	1.6	2.7	1.7	1.0	1.4	1.9	0.7	8.0	8.0	1.9	1.3	1.4	0.9	1.2
Race/Ethnicity (2-year average): b															
White	_	3.8	3.9	3.8	3.3	2.9	2.5	2.7	2.4	2.1	2.4	2.3	2.1	2.1	2.1
African American	_	0.5	0.4	0.6	0.5	0.4	0.4	0.4	0.3	0.4	0.9	8.0	0.4	0.6	8.0
Hispanic	_	1.1	1.0	0.8	1.2	1.2	1.3	1.3	0.8	0.8	1.0	0.5	0.4	0.9	1.0

TABLE 149 (cont.)

SMOKELESS TOBACCO: Trends in 30-Day Prevalence of Daily Use by Subgroups in Grade 10

					Per	centage	who use	d daily ir	last 30	days					
	2006	2007	2008	2009	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	2017	2018	<u>2019</u>	2018-2019 <u>change</u>
Approximate weighted N =	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	15,600	14,700	13,500	14,300	14,000	
Total	1.7	1.6	1.4	1.9	2.5	1.7	2.0	1.9	1.8	1.6	1.0	0.6	1.0	0.9	-0.1
Gender:															
Male	3.3	2.9	2.6	3.7	4.7	3.3	3.9	3.5	3.4	3.1	1.7	1.2	1.8	1.6	-0.2
Female	*	0.3	0.3	0.2	0.3	0.2	0.3	0.3	0.4	0.2	0.2	0.1	0.2	0.4	+0.2
College Plans:															
None or under 4 years	6.8	4.4	6.2	7.7	8.2	5.2	6.2	7.6	7.7	5.8	4.3	2.4	3.6	2.4	-1.2
Complete 4 years	1.0	1.2	8.0	1.3	1.8	1.3	1.6	1.2	1.2	1.2	0.7	0.4	0.7	0.7	0.0
Region:															
Northeast	8.0	1.4	0.5	1.5	2.3	1.2	1.2	1.7	0.9	1.4	0.5	8.0	1.1	8.0	-0.3
Midwest	2.2	1.6	2.4	2.8	2.3	1.7	2.5	1.7	1.9	1.8	0.7	0.4	0.9	8.0	-0.1
South	2.3	2.6	2.1	2.3	3.7	2.4	2.9	2.7	3.1	2.3	1.7	8.0	1.5	1.3	-0.2
West	0.9	0.4	0.2	0.6	8.0	0.9	0.9	1.0	0.5	0.7	0.8	0.4	0.4	0.6	+0.2
Population Density:															
Large MSA	1.1	1.0	0.7	1.0	1.4	1.2	0.7	1.1	0.9	1.0	0.9	0.6	8.0	0.5	-0.3
Other MSA	1.4	1.5	1.1	1.9	2.6	1.0	1.7	1.5	1.3	1.1	0.7	0.3	0.9	1.0	+0.1
Non-MSA	3.2	2.6	3.2	3.1	3.8	3.5	4.5	3.7	4.7	4.1	2.0	1.5	1.7	1.5	-0.2
Parental Education: a															
1.0-2.0 (Low)	3.6	2.0	1.0	2.9	2.5	2.0	1.5	1.1	2.2	1.5	0.5	0.1	0.5	1.3	+0.8
2.5-3.0	2.9	2.1	1.7	2.3	3.4	2.8	3.4	3.0	2.9	3.2	1.7	0.5	1.3	1.2	-0.1
3.5-4.0	1.3	1.6	1.9	2.2	3.0	1.4	2.2	2.0	2.3	0.7	1.3	8.0	1.0	1.3	+0.2
4.5–5.0	1.1	1.4	1.3	1.3	1.7	1.4	1.7	1.2	1.2	2.1	0.6	0.6	1.0	8.0	-0.2
5.5-6.0 (High)	1.3	1.1	0.1	1.7	2.0	1.4	1.3	1.1	0.9	1.1	0.7	0.7	1.1	0.5	-0.7
Race/Ethnicity (2-year average): b															
White	2.2	2.1	2.1	2.4	3.1	2.8	2.4	2.7	2.6	2.4	1.8	1.2	1.3	1.2	-0.1
African American	0.8	0.6	0.4	0.4	0.6	0.9	0.8	0.7	0.8	1.0	0.9	0.4	0.3	1.0	+0.7 s
Hispanic	0.7	0.3	0.2	0.4	0.5	0.7	0.9	0.5	0.4	0.3	0.3	0.3	0.2	0.4	+0.2

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. '*' indicates less than 0.05% but greater than 0%. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1991–1996 and on two of four forms beginning in 1997; N is one half of N indicated in Table S2.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 150

SMOKELESS TOBACCO: Trends in 30-Day Prevalence of Daily Use by Subgroups in Grade 12

<u>-</u>						Per	centage	who use	d daily in	last 30 c	lays					
Ammanimate verialitad N. –	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u> 15,200	<u>1987</u> 16,300	<u>1988</u> 16,300	<u>1989</u> 16,700	<u>1990</u> ^a
Approximate weighted N =	_	_	_	_	_	_	_	_	_	_	_					_
Total	_	_	_				_		_		_	4.7	5.1	4.3	3.3	_
Gender:																
Male	_	_	_	_	_	_	_	_	_	_	_	10.0	10.7	8.6	6.8	_
Female	_	_	_	_	_	_	_	_	_	_	_	0.1	0.1	0.5	0.0	_
College Plans:																
None or under 4 years	_	_	_	_	_	_	_	_	_	_	_	7.1	7.8	5.8	4.2	_
Complete 4 years	_	_	_	_	_	_	_	_	_	_	_	3.3	3.7	3.5	2.7	_
Region:																
Northeast	_	_	_	_	_	_	_	_	_	_	_	4.6	2.1	2.3	1.3	_
Midwest	_	_	_	_	_	_	_	_	_	_	_	4.5	4.5	3.5	2.2	_
South	_	_	_	_	_	_	_	_	_	_	_	6.1	7.4	6.3	4.2	_
West	_	_		_	_	_	_	_	_	_	_	2.9	5.5	4.0	4.9	_
Population Density:																
Large MSA	_	_	_	_	_	_	_	_	_	_	_	3.4	3.3	3.0	3.0	_
Other MSA	_	_	_	_	_	_	_	_	_	_	_	3.3	4.3	2.5	2.8	_
Non-MSA	_	_	_	_	_	_	_	_	_	_	_	7.8	8.5	8.9	4.6	_
Parental Education: b																
1.0-2.0 (Low)	_	_	_	_	_	_	_	_	_	_	_	1.9	5.6	5.3	1.8	_
2.5–3.0	_			_		_	_	_	_	_	_	7.6	6.9	3.2	3.9	_
3.5-4.0	_	_	_	_	_	_	_	_	_	_	_	3.5	4.7	5.4	3.1	_
4.5–5.0	_	_	_	_	_	_	_	_	_	_	_	3.9	5.0	4.7	4.6	_
5.5-6.0 (High)	_	_	_	_	_	_	_	_	_	_	_	3.3	2.1	3.5	1.2	_
Race/Ethnicity (2-year average): c																
White	_	_	_	_	_	_	_	_	_	_	_	_	5.8	5.4	4.5	_
African American	_	_	_	_	_	_	_	_	_	_	_	_	0.6	1.0	0.5	_
Hispanic	_	_	_	_	_	_	_	_	_	_	_	_	0.8	21	21	_

TABLE 150 (cont.)

SMOKELESS TOBACCO: Trends in 30-Day Prevalence of Daily Use by Subgroups in Grade 12

						Per	centage	who use	d daily in	last 30 d	days					
Approximate weighted N =	<u>1991</u> ^a	<u>1992</u> 15,800	<u>1993</u> 16.300	<u>1994</u> 15.400	<u>1995</u> 15.400	<u>1996</u> 14.300	<u>1997</u> 15.400	<u>1998</u> 15,200	<u>1999</u> 13,600	2000 12,800	2001 12,800	2002 12,900	2003 14.600	2004 14.600	2005 14,700	2006 14,200
Total	_	4.3	3.3	3.9	3.6	3.3	4.4	3.2	2.9	3.2	2.8	2.0	2.2	2.8	2.5	2.2
Gender:	_	4.3	3.3	3.9	3.6	3.3	4.4	3.2	2.9	3.2	2.8	2.0	2.2	2.8	2.5	2.2
Male		7.8	6.4	7.2	7.2	7.1	8.6	0.0	5.7	6.5	5.6	4.3	4.6	F.C	4.7	4.0
	_	0.5	6.4					6.0						5.6 0.2	0.2	4.3
Female	_	0.5	0.4	0.3	0.1	0.1	0.2	0.0	0.0	0.4	0.3	0.0	0.0	0.2	0.2	0.1
College Plans:			4.0		0.5		0.4	0.5	0.4	7.0		0.4				0.4
None or under 4 years	_	7.4	4.3	6.6	6.5	6.8	9.1	6.5	3.4	7.9	4.7	2.4	5.3	5.0	7.1	6.1
Complete 4 years	_	3.3	3.1	2.8	2.7	2.6	2.7	2.3	2.6	2.0	2.1	1.4	1.4	2.0	1.5	1.2
Region:																
Northeast	_	1.8	1.9	4.5	2.2	3.2	3.5	0.5	1.0	1.3	1.5	1.6	2.7	1.9	2.1	1.9
Midwest	_	4.0	4.4	4.7	4.9	4.1	7.0	4.0	3.4	5.0	2.8	2.2	1.1	3.0	3.8	2.1
South	_	5.4	4.0	3.5	4.2	3.1	3.6	4.6	4.0	4.0	3.8	2.4	2.6	3.7	2.7	3.0
West	_	5.1	1.7	3.2	1.6	2.9	3.0	1.8	1.9	1.6	2.6	1.3	2.2	1.7	1.0	1.0
Population Density:																
Large MSA	_	2.0	1.7	2.0	2.1	2.6	3.3	0.9	0.5	0.9	1.4	0.4	0.5	8.0	1.0	1.4
Other MSA	_	4.2	3.0	3.6	3.2	1.9	3.3	2.4	3.1	3.7	2.6	2.0	2.2	2.2	2.4	1.6
Non-MSA	_	6.5	5.2	6.7	5.8	6.7	7.7	7.6	4.9	5.3	5.0	3.8	4.2	6.2	4.8	4.4
Parental Education: b																
1.0-2.0 (Low)	_	6.7	3.9	6.6	2.7	2.2	1.3	2.2	2.1	2.9	4.0	2.2	4.9	3.0	2.2	1.3
2.5–3.0	_	4.8	3.5	3.8	4.7	3.6	5.8	5.2	3.7	4.2	3.2	1.7	1.4	4.2	3.5	3.3
3.5-4.0	_	5.2	3.3	3.3	2.9	3.6	3.7	2.6	3.5	3.9	2.8	2.1	2.0	2.0	3.7	1.7
4.5–5.0	_	2.4	3.7	3.9	3.5	4.6	3.9	3.0	1.9	2.1	2.7	2.4	2.8	2.6	1.8	2.6
5.5–6.0 (High)	_	2.6	1.8	2.7	2.7	1.1	5.0	2.5	2.1	2.5	2.5	0.2	1.8	1.9	0.4	1.3
Race/Ethnicity (2-year average): c																
White	_	_	4.8	4.7	4.6	4.1	5.0	5.2	4.3	4.3	4.4	3.5	2.9	3.2	3.5	3.4
African American	_	_	0.3	0.7	0.6	0.3	0.2	0.0	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.2
Hispanic	_	_	16	0.7	12	22	19	0.8	0.4	0.9	0.6	0.3	0.7	1.1	0.7	0.4

TABLE 150 (cont.)

SMOKELESS TOBACCO: Trends in 30-Day Prevalence of Daily Use by Subgroups in Grade 12

					Percent	age who	used da	ily in last	30 days						
Approximate weighted N =	2007 14.500	2008 14.000	2009 13.700	2010 14.400	2011 14.100	2012 13.700	2013 12,600	2014 12,400	2015 12,900	2016 11.800	2017 12.600	2018 13.300	2019 12.900		3-2019 ange
Total	2.8	2.7	2.9	3.1	3.1	3.2	3.0	3.4	2.9	2.7	2.0	1.6	1.1	-0.5	
Gender:															
Male	5.6	5.6	5.8	5.9	6.0	5.7	5.7	6.5	5.8	5.1	4.0	3.2	1.9	-1.3	
Female	0.2	0.0	0.4	0.2	0.0	0.3	0.0	0.1	0.0	0.3	0.2	0.3	0.2	-0.1	
College Plans:															
None or under 4 years	5.3	6.6	6.4	7.5	7.8	8.4	7.8	8.8	8.6	5.1	6.7	3.6	3.0	-0.7	
Complete 4 years	2.1	1.9	2.3	2.1	2.2	2.0	1.8	1.9	1.7	1.9	1.0	1.1	0.5	-0.6	
Region:															
Northeast	1.9	1.8	2.1	2.4	3.8	3.2	1.6	3.9	2.1	2.1	1.4	1.1	0.4	-0.8	
Midwest	3.9	3.1	4.4	5.3	4.1	3.7	4.9	5.6	3.8	1.9	2.0	2.8	1.3	-1.6	
South	4.2	2.7	3.7	3.7	2.9	4.3	2.9	2.5	3.3	3.6	3.0	1.6	1.5	-0.1	
West	0.1	3.0	0.7	0.6	1.9	1.3	2.2	2.3	2.0	2.2	0.7	0.6	0.6	-0.1	
Population Density:															
Large MSA	1.6	0.5	0.9	0.9	1.6	2.1	1.4	0.9	0.4	1.2	0.3	0.5	0.0	-0.5	SS
Other MSA	2.4	2.1	2.4	2.0	2.9	1.9	2.3	3.5	2.9	3.1	2.3	1.6	1.0	-0.6	
Non-MSA	5.8	6.8	6.7	9.2	5.9	8.1	7.0	6.4	7.1	4.0	4.1	3.6	3.2	-0.4	
Parental Education: b															
1.0–2.0 (Low)	2.5	0.7	1.2	2.2	8.0	3.1	2.0	0.6	1.2	1.8	0.0		1.0	+1.0	
2.5–3.0	3.8	3.4	3.5	3.9	4.7	5.9	3.0	3.8	4.1	3.5	3.1	2.3	1.3	-1.0	
3.5–4.0	2.7	2.9	2.5	2.9	2.9	3.1	3.0	3.8	3.5	2.1	2.6	2.8	0.7	-2.1	S
4.5–5.0	3.1	2.7	3.5	3.2	3.5	2.3	3.7	4.4	2.7	3.2	2.3	1.6	0.9	-0.7	
5.5–6.0 (High)	1.8	2.2	3.1	2.8	0.8	1.9	1.5	2.4	1.8	3.3	0.4	0.9	1.3	+0.4	
Race/Ethnicity (2-year average): c															
White	3.4	3.8	4.5	4.7	4.6	4.6	4.3	4.6	4.7	4.4	4.1	3.4	2.0	-1.4	SS
African American	8.0	0.9	0.6	1.5	1.4	0.3	0.6	1.3	0.6	0.7	1.1	8.0	0.3	-0.4	
Hispanic	0.7	0.6	0.2	0.4	0.5	0.5	0.4	0.5	0.8	0.5	0.0	0.2	0.2	0.0	

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of six forms; N is one sixth of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aPrevalence of smokeless tobacco use was not asked of 12th graders in 1990 and 1991. Prior to 1990 the prevalence-of-use question on smokeless tobacco was located near the end of one 12th-grade questionnaire form, whereas after 1991 the question was placed earlier and in a different form. This shift could explain the discontinuities between the corresponding data.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 151

DISSOLVABLE TOBACCO PRODUCTS: Trends in Annual
Prevalence of Use by Subgroups in Grade 8

			Perce	ntage who	used in	last 12 m	onths			
•										2018–
	1991–									2019
	<u>2011</u>	2012	<u>2013</u>	2014	2015	2016	2017	2018	2019	change
Approximate weighted N =	_	15,100	14,600	14,600	14,400	16,900	15,300	14,000	13,600	
Total	_	1.0	1.1	1.1	0.9	0.7	0.6	0.6	1.1	+0.5 s
Gender:										
Male	_	8.0	1.5	1.3	1.1	0.7	8.0	0.9	1.4	+0.5
Female	_	1.0	8.0	1.0	8.0	0.6	0.5	0.3	8.0	+0.5
College Plans:										
None or under 4 years	_	4.4	4.5	6.1	3.3	4.5	3.5	2.1	2.6	+0.5
Complete 4 years	_	8.0	0.9	0.7	0.7	0.3	0.3	0.4	8.0	+0.5 s
Region:										
Northeast	_	0.3	0.5	1.4	0.5	0.2	0.3	0.6	1.1	+0.5
Midwest	_	8.0	0.4	0.5	1.0	0.4	0.2	0.1	8.0	+0.8
South	_	1.4	1.7	1.2	1.2	1.1	1.0	1.0	1.4	+0.4
West	_	1.1	1.3	1.4	0.7	0.5	8.0	0.3	0.7	+0.4
Population Density:										
Large MSA	_	1.2	1.0	1.2	8.0	8.0	0.5	8.0	1.3	+0.4
Other MSA	_	0.7	1.1	8.0	1.0	0.5	8.0	0.4	1.0	+0.6
Non-MSA	_	1.3	1.3	1.7	0.9	1.0	0.4	0.4	8.0	+0.4
Parental Education: a										
1.0-2.0 (Low)	_	1.2	2.6	2.4	1.3	2.1	1.1	0.6	1.1	+0.6
2.5–3.0	_	1.3	0.7	1.9	1.1	0.7	0.3	0.3	1.7	+1.4 s
3.5–4.0	_	1.4	1.7	8.0	1.4	8.0	0.7	0.2	1.0	+0.8
4.5–5.0	_	0.7	0.7	8.0	0.6	0.2	0.4	0.5	8.0	+0.3
5.5-6.0 (High)	_	0.6	8.0	8.0	0.2	0.2	8.0	8.0	0.9	+0.1
Race/Ethnicity (2-year data): b										
White	_	_	8.0	1.0	0.9	0.4	0.3	0.3	0.5	+0.1
African American	_	_	1.2	1.0	1.0	1.1	0.9	1.4	2.0	+0.6
Hispanic	_	_	1.7	1.6	1.2	0.9	0.9	8.0	0.9	+0.1

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in S1.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to

increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 152

DISSOLVABLE TOBACCO PRODUCTS: Trends in Annual
Prevalence of Use by Subgroups in Grade 10

			Perce	ntage who	o used in	last 12 m	onths			_
										2018-
	1991–									2019
	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>
Approximate weighted N =	_	15,000	12,900	13,000	15,600	14,700	13,500	14,300	14,000	
Total	_	1.6	1.2	1.3	1.1	0.9	0.6	1.1	8.0	-0.3
Gender:										
Male	_	2.3	2.0	1.9	1.4	1.3	0.9	1.6	1.5	0.0
Female	_	0.9	0.6	0.7	0.6	0.5	0.3	0.5	0.0	-0.4 ss
College Plans:										
None or under 4 years	_	5.6	2.8	5.9	4.1	3.0	1.3	1.9	1.4	-0.5
Complete 4 years	_	1.2	1.0	8.0	0.7	0.7	0.5	0.9	0.7	-0.3
Region:										
Northeast	_	0.5	1.0	1.1	0.6	1.1	0.1	1.2	0.3	-1.0 s
Midwest	_	1.7	1.2	0.9	1.0	1.0	0.9	1.2	0.5	-0.7
South	_	1.7	1.6	1.3	0.9	0.9	0.5	8.0	0.4	-0.4
West	_	2.1	0.9	1.9	1.6	0.7	1.0	1.1	1.9	+0.7
Population Density:										
Large MSA	_	1.4	8.0	1.1	0.7	0.7	0.6	1.2	0.2	-1.0 s
Other MSA	_	1.5	1.0	1.0	1.0	0.9	0.6	0.9	1.0	+0.1
Non-MSA	_	1.9	2.2	2.6	1.7	1.2	0.7	1.2	1.1	-0.1
Parental Education: a										
1.0-2.0 (Low)	_	2.2	1.4	0.5	2.8	0.9	0.9	1.5	0.2	-1.4 s
2.5–3.0	_	2.2	2.0	1.2	1.6	1.2	0.1	1.9	0.3	-1.6 s
3.5-4.0	_	2.3	1.0	2.2	0.7	0.9	0.7	0.7	0.2	-0.5
4.5–5.0	_	0.6	1.1	0.9	0.6	0.6	0.7	8.0	1.9	+1.0
5.5-6.0 (High)	_	1.1	0.9	0.7	8.0	0.7	0.3	8.0	0.7	-0.2
Race/Ethnicity (2-year data): b										
White	_	_	1.4	1.3	1.1	0.7	0.6	0.9	1.0	+0.2
African American	_	_	8.0	1.2	1.3	1.1	0.7	0.5	0.4	-0.1
Hispanic	_	_	1.4	1.0	1.0	1.4	1.4	1.2	0.9	-0.3

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in S2.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 153

DISSOLVABLE TOBACCO PRODUCTS: Trends in Annual
Prevalence of Use by Subgroups in Grade 12

			F	Percentag	e who us	ed in last	12 month	ıs			
	2009–										2018– 2019
	2010	2011	2012	2013	2014	<u>2015</u>	<u>2016</u>	2017	2018	2019	<u>change</u>
Approximate weighted N =	_	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	_	1.5	1.6	1.9	1.1	1.4	1.1	1.4	1.3	1.1	-0.2
Gender:											
Male	_	1.8	2.4	3.3	1.1	1.8	1.2	2.3	1.0	1.8	+0.8
Female	_	1.0	0.4	0.5	0.7	0.7	0.6	0.2	0.7	0.4	-0.3
College Plans:											
None or under 4 years	_	3.0	1.7	3.9	4.6	2.3	4.1	1.0	3.4	2.6	-0.8
Complete 4 years	_	1.1	1.6	1.3	0.3	1.0	0.5	1.2	0.4	0.6	+0.3
Region:											
Northeast	_	1.3	1.4	1.3	0.3	1.1	0.7	0.5	0.6	0.4	-0.2
Midwest	_	0.5	0.8	2.0	8.0	0.5	0.2	1.3	2.3	0.4	-1.9 ss
South	_	2.4	2.2	1.5	1.5	2.5	2.0	1.8	1.5	1.4	-0.1
West	_	1.5	2.0	2.7	1.3	0.6	0.6	1.5	0.5	2.3	+1.8
Population Density:											
Large MSA	_	1.7	1.7	1.8	1.9	0.7	0.9	1.0	2.1	1.0	-1.1 s
Other MSA	_	1.4	1.4	1.6	8.0	1.8	1.3	1.5	0.9	1.1	+0.1
Non-MSA	_	1.5	2.1	2.7	0.7	1.4	1.0	1.9	8.0	1.7	+0.9
Parental Education: ^a											
1.0-2.0 (Low)	_	0.6	1.1	3.8	2.5	1.9	1.6	4.0	1.9	0.8	-1.1
2.5–3.0	_	2.7	2.5	1.0	1.9	0.6	1.4	1.5	8.0	1.0	+0.3
3.5-4.0	_	1.1	1.6	2.3	1.0	1.0	2.2	0.7	8.0	1.5	+0.7
4.5–5.0	_	0.5	1.3	1.5	0.1	2.1	0.3	0.4	0.3	0.5	+0.2
5.5-6.0 (High)	_	1.9	0.7	1.7	0.1	0.4	0.0	1.3	1.4	0.3	-1.1
Race/Ethnicity (2-year data): b											
White	_	_	1.6	1.8	1.5	1.2	0.9	0.5	8.0	8.0	0.0
African American	_	_	1.5	1.8	1.9	2.4	2.7	2.5	1.7	2.1	+0.4
Hispanic	_	_	1.0	1.4	1.1	0.5	1.0	1.4	1.1	1.0	-0.1

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates

for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of six forms; *N* is one sixth of *N* indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase

subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 154

SNUS: Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 8</u>

		Percentage who used in last 12 months											
•										2018–			
	1991–									2019			
	2011	2012	2013	<u>2014</u>	2015	<u>2016</u>	2017	<u>2018</u>	2019	<u>change</u>			
Approximate weighted N =	_	15,100	14,600	14,600	14,400	16,900	15,300	14,000	13,600				
Total	_	2.4	2.0	2.2	1.9	2.2	1.1	1.3	1.5	+0.2			
Gender:													
Male	_	3.3	3.3	3.1	3.0	3.3	1.7	2.1	1.9	-0.2			
Female	_	1.5	8.0	1.5	1.0	1.0	0.5	0.7	1.0	+0.4			
College Plans:													
None or under 4 years	_	9.0	7.4	8.9	6.0	9.5	4.7	3.7	4.5	+0.8			
Complete 4 years	_	2.0	1.6	1.6	1.5	1.5	8.0	1.0	1.1	+0.1			
Region:													
Northeast	_	1.8	1.1	1.4	1.2	1.1	0.5	0.7	0.6	-0.1			
Midwest	_	2.0	1.2	2.2	2.4	1.3	8.0	0.7	1.5	+0.8			
South	_	3.4	3.3	2.4	2.3	3.5	1.6	2.1	2.0	-0.1			
West	_	1.6	1.4	2.2	1.0	1.4	1.0	1.1	1.3	+0.2			
Population Density:													
Large MSA	_	1.2	1.6	1.1	8.0	1.0	0.5	0.9	1.3	+0.4			
Other MSA	_	2.4	1.8	1.7	1.7	2.1	1.0	0.9	1.1	+0.2			
Non-MSA	_	4.5	3.0	4.6	3.9	4.0	2.3	2.9	2.8	-0.1			
Parental Education: ^a													
1.0-2.0 (Low)	_	2.2	3.0	3.1	1.1	3.2	1.2	0.7	1.8	+1.1			
2.5–3.0	_	3.9	2.0	3.5	2.7	2.6	1.5	8.0	2.7	+1.9 s			
3.5-4.0	_	3.9	3.0	2.2	1.7	2.4	1.5	1.5	2.1	+0.6			
4.5–5.0	_	1.5	1.4	1.4	2.1	1.3	0.7	2.2	1.4	-0.7			
5.5-6.0 (High)	_	1.1	1.3	1.2	0.9	0.9	1.0	1.1	0.3	-0.7			
Race/Ethnicity (2-year data): b													
White	_	_	2.7	2.6	2.7	2.5	1.9	1.4	1.6	+0.3			
African American	_	_	0.9	0.7	0.9	1.4	1.4	1.4	1.7	+0.3			
Hispanic	_	_	1.8	1.5	1.0	1.3	1.3	0.9	0.9	0.0			

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the

prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in S1.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined

TABLE 155

SNUS: Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

		Percentage who used in last 12 months										
·										2018–		
	1991–									2019		
	<u>2011</u>	2012	2013	<u>2014</u>	<u>2015</u>	<u>2016</u>	2017	2018	2019	<u>change</u>		
Approximate weighted N =	_	15,000	12,900	13,000	15,600	14,700	13,500	14,300	14,000			
Total	_	6.9	5.2	4.5	4.0	3.0	2.6	3.1	2.3	-0.8		
Gender:												
Male	_	12.1	9.3	7.5	6.5	5.1	4.5	5.6	4.4	-1.2		
Female	_	2.1	1.3	1.7	1.7	1.1	8.0	0.7	0.5	-0.2		
College Plans:												
None or under 4 years	_	17.5	16.0	15.1	8.2	9.1	7.1	7.8	4.0	-3.9 s		
Complete 4 years	_	5.8	4.0	3.4	3.6	2.3	2.1	2.4	2.1	-0.3		
Region:												
Northeast	_	6.2	5.5	3.3	4.0	2.6	1.8	2.4	1.1	-1.3		
Midwest	_	7.8	6.7	5.7	4.8	2.9	3.1	3.4	2.2	-1.2		
South	_	8.4	5.0	5.2	4.7	3.6	3.6	4.1	2.5	-1.6		
West	_	4.2	3.8	3.5	2.1	2.6	1.4	1.7	2.9	+1.2		
Population Density:												
Large MSA	_	4.1	3.1	3.4	2.9	2.0	2.8	2.2	0.7	-1.5 ss		
Other MSA	_	7.4	4.8	3.9	3.7	2.5	1.5	2.8	2.4	-0.4		
Non-MSA	_	9.6	8.9	8.1	6.7	6.2	5.2	5.1	4.7	-0.4		
Parental Education: a												
1.0-2.0 (Low)	_	4.9	4.8	3.4	3.8	2.1	2.1	2.8	2.0	-0.8		
2.5–3.0	_	8.5	6.9	4.3	5.3	4.0	2.6	3.3	1.6	-1.7		
3.5–4.0	_	8.3	6.2	5.2	3.8	3.7	3.4	4.3	2.0	-2.3 s		
4.5–5.0	_	6.3	3.4	4.7	3.9	2.9	2.1	3.0	4.4	+1.4		
5.5-6.0 (High)	_	5.4	4.7	4.4	3.7	1.8	2.8	2.2	0.9	-1.3		
Race/Ethnicity (2-year data): b												
White	_	_	8.1	7.1	6.0	4.9	4.1	4.4	4.3	-0.1		
African American	_	_	1.6	1.4	2.2	2.1	1.1	0.6	1.0	+0.3		
Hispanic	_	_	2.6	1.2	1.1	1.6	1.5	1.3	1.0	-0.2		

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the

prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in S2.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined

TABLE 156

SNUS: Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

		Percentage who used in last 12 months										
											2018–	
	1975–										2019	
	<u>2010</u>	<u>2011</u>	2012	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>	
Approximate weighted N =	_	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900		
Total	_	7.9	7.9	7.7	5.8	5.8	5.8	4.2	4.7	2.7	-2.1 ss	
Gender:												
Male	_	13.9	14.1	14.6	9.9	10.5	9.9	7.2	7.6	4.5	-3.1 s	
Female	_	1.9	1.2	1.4	1.5	1.3	1.4	1.2	1.1	0.7	-0.4	
College Plans:												
None or under 4 years	_	15.1	12.2	13.6	16.0	12.8	14.0	7.0	8.0	6.2	-1.9	
Complete 4 years	_	6.2	6.6	6.1	3.5	4.4	4.0	3.4	3.5	1.7	-1.9 ss	
Region:												
Northeast	_	7.8	8.0	7.3	6.0	7.8	5.1	4.3	2.3	2.1	-0.1	
Midwest	_	10.6	8.3	8.3	7.1	5.6	7.3	3.4	8.1	3.0	-5.1 s	
South	_	6.4	8.8	8.9	5.0	6.8	6.2	5.7	5.0	2.4	-2.6 s	
West	_	7.1	6.2	5.5	5.9	2.9	4.1	2.6	2.6	3.4	+0.7	
Population Density:												
Large MSA	_	6.9	6.1	6.7	3.7	3.6	3.1	3.1	3.6	1.5	-2.1 s	
Other MSA	_	6.5	7.8	7.9	5.2	6.8	6.4	3.9	4.5	2.6	-1.9	
Non-MSA	_	12.2	10.8	8.6	9.6	6.9	8.3	6.4	7.5	4.8	-2.7	
Parental Education: a												
1.0-2.0 (Low)	_	2.9	4.8	9.2	4.5	4.4	4.0	3.7	2.9	2.8	-0.1	
2.5–3.0	_	8.8	8.9	5.7	7.5	4.3	3.4	4.5	4.2	2.6	-1.6	
3.5–4.0	_	9.4	6.8	9.7	5.5	6.0	6.4	4.1	4.8	2.8	-2.0	
4.5–5.0	_	8.1	10.0	7.5	6.3	7.8	7.7	3.4	4.9	1.7	-3.2 s	
5.5–6.0 (High)	_	5.4	6.2	6.7	2.5	5.3	5.3	5.3	4.4	3.0	-1.4	
Race/Ethnicity (2-year data): ^b												
White	_	_	10.2	9.9	9.1	8.1	7.6	6.8	6.2	4.3	-1.8 ss	
African American	_	_	3.4	3.3	2.1	2.2	3.0	2.2	1.1	2.1	+0.9	
Hispanic	_		4.4	4.6	2.9	2.8	3.2	1.9	1.8	1.9	+0.1	

Notes.

'—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on two of six forms; N is two sixths of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined

TABLE 157
STEROIDS: ^a Trends in <u>Annual Prevalence of Use by Subgroups in <u>Grade 8</u></u>

	Percentage who used in last 12 months														
	<u>1991</u>	1992	1993	1994	<u>1995</u>	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800
Total	1.0	1.1	0.9	1.2	1.0	0.9	1.0	1.2	1.7	1.7	1.6	1.5	1.4	1.1	1.1
Gender:															
Male	1.8	1.7	1.4	1.8	1.3	1.1	1.3	1.6	2.5	2.2	2.3	1.8	1.8	1.3	1.2
Female	0.3	0.5	0.3	0.6	0.8	0.7	0.7	0.7	0.9	1.0	1.0	1.2	1.1	1.0	0.9
College Plans:															
None or under 4 years	2.2	2.4	2.2	2.5	2.2	1.5	2.4	2.8	4.0	3.6	3.1	3.6	2.7	3.2	2.4
Complete 4 years	8.0	0.9	0.7	1.0	0.9	8.0	8.0	1.0	1.4	1.5	1.5	1.3	1.3	0.9	0.9
Region:															
Northeast	0.7	1.1	0.6	1.0	1.0	1.1	1.0	1.1	1.6	1.7	1.8	1.2	1.1	8.0	0.6
Midwest	1.1	1.2	1.0	1.0	1.1	0.8	1.0	1.2	1.6	1.8	1.7	1.6	1.7	1.2	1.1
South	1.2	1.1	1.0	1.6	1.1	0.9	0.9	1.4	1.9	1.8	1.9	1.9	1.6	1.3	1.3
West	0.7	0.9	0.7	1.0	1.0	0.8	1.1	0.9	1.4	1.3	0.9	1.2	1.2	1.0	1.0
Population Density:															
Large MSA	0.8	1.0	0.8	0.9	0.9	0.8	0.9	1.0	1.3	1.6	1.6	1.1	1.0	1.0	0.8
Other MSA	1.2	1.2	0.9	1.2	1.2	0.9	0.9	1.2	1.9	1.5	1.7	1.6	1.5	1.1	1.1
Non-MSA	1.0	0.9	0.9	1.5	0.9	0.9	1.2	1.4	1.7	2.0	1.6	2.1	1.8	1.3	1.3
Parental Education: b															
1.0-2.0 (Low)	1.8	1.2	1.2	1.6	1.3	0.9	1.4	1.7	2.2	2.5	2.0	1.8	1.3	1.5	2.1
2.5–3.0	1.1	1.2	8.0	1.6	1.3	0.7	0.9	1.1	1.9	2.1	1.6	1.7	1.9	1.4	1.0
3.5–4.0	1.0	1.0	1.1	1.3	0.8	0.9	1.2	1.4	1.6	1.3	1.9	1.9	1.6	1.0	1.1
4.5–5.0	0.7	0.9	8.0	8.0	0.8	1.2	0.9	1.1	1.4	1.6	1.5	1.0	1.3	1.2	1.1
5.5-6.0 (High)	1.0	1.3	0.6	0.9	1.5	0.9	1.2	1.1	2.0	1.6	1.7	1.6	1.0	0.7	0.7
Race/Ethnicity (2-year average): c															
White	_	1.1	1.0	1.0	1.1	0.9	0.9	1.1	1.5	1.9	1.8	1.7	1.6	1.3	1.0
African American	_	0.7	0.6	8.0	0.9	0.7	0.6	0.7	8.0	0.7	0.8	1.2	1.2	0.9	0.9
Hispanic	_	1.2	1.1	1.1	1.3	1.5	1.4	1.4	1.8	1.8	1.5	1.5	1.7	1.7	1.2

TABLE 157 (cont.)

STEROIDS: ^a Trends in <u>Annual Prevalence of Use by Subgroups in Grade 8</u>

	Percentage who used in last 12 months														
	2006	2007	2000	2000	2010	2011	2012	2012	2014	2015	2016	2017	2010	2010	2018-2019
	2006	2007	2008	2009	<u>2010</u>	<u>2011</u>	2012	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	change
.,		16,100	15,700	15,000		16,000	15,100		14,600	14,400	16,900	15,300	14,000	13,600	
Total	0.9	8.0	0.9	8.0	0.5	0.7	0.6	0.6	0.6	0.5	0.5	0.6	0.6	8.0	+0.1
Gender:															
Male	1.2	1.1	1.2	1.0	0.7	1.0	0.8	0.7	0.6	0.5	0.5	0.6	0.6	0.7	+0.1
Female	0.6	0.4	0.5	0.5	0.3	0.4	0.3	0.4	0.5	0.5	0.5	0.6	0.7	0.9	+0.2
College Plans:															
None or under 4 years	2.4	2.7	2.3	2.2	1.4	1.4	1.4	1.6	1.4	1.1	1.1	1.3	1.0	1.5	+0.4
Complete 4 years	0.7	0.6	8.0	0.7	0.5	0.7	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	+0.1
Region:															
Northeast	0.6	0.5	8.0	8.0	0.5	0.5	0.5	0.6	0.6	0.5	0.2	8.0	0.5	0.6	+0.1
Midwest	8.0	0.7	0.9	0.7	0.7	0.9	0.5	0.3	0.6	0.6	0.6	0.6	0.6	8.0	+0.2
South	1.1	1.0	1.1	0.7	0.5	8.0	0.8	0.8	0.6	0.6	0.6	0.4	0.7	0.7	0.0
West	0.7	0.8	0.6	0.9	0.4	0.6	0.5	0.5	0.4	0.4	0.6	8.0	0.7	1.0	+0.3
Population Density:															
Large MSA	8.0	0.7	8.0	0.4	0.4	0.3	0.6	0.6	0.3	0.5	0.5	0.4	0.6	0.6	0.0
Other MSA	0.8	0.8	0.9	0.9	0.7	0.8	0.6	0.6	0.6	0.4	0.4	0.7	0.7	8.0	+0.1
Non-MSA	1.2	1.0	1.0	0.9	0.4	1.2	0.6	0.7	0.7	0.7	0.9	0.9	0.7	1.1	+0.4
Parental Education: b															
1.0-2.0 (Low)	1.0	1.7	1.7	2.1	0.7	1.0	0.6	0.6	0.8	0.8	0.8	0.8	0.6	0.6	0.0
2.5–3.0	0.9	0.9	1.0	0.7	0.5	0.9	0.6	0.7	0.5	0.7	0.5	0.7	1.0	1.2	+0.2
3.5-4.0	1.0	0.8	1.0	0.9	0.5	0.9	0.4	0.6	0.7	0.3	0.5	0.5	0.7	0.6	-0.2
4.5–5.0	0.7	0.4	0.7	0.5	0.6	0.5	0.5	0.3	0.5	0.6	0.5	0.7	0.5	0.9	+0.4
5.5-6.0 (High)	1.1	0.8	0.8	0.6	0.5	0.8	0.9	0.8	0.6	0.5	0.6	0.6	0.4	0.7	+0.2
Race/Ethnicity (2-year average): c															
White	0.9	0.8	0.8	0.7	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.0
African American	0.8	0.8	0.7	0.7	0.7	0.5	0.7	0.8	0.7	0.6	0.5	0.6	0.6	0.6	+0.1
Hispanic	0.9	0.7	0.7	0.9	0.8	0.7	0.4	0.5	0.6	0.5	0.6	0.6	0.7	8.0	+0.1

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .01. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. In 2006 the question text was changed slightly in half of the questionnaire forms. An examination of the data did not show any effect from the wording change. In 2007 the remaining forms were changed in a like manner. In 2008 the question text was changed slightly in half of the questionnaire forms. An examination of the data did not show any effect from the wording change. In 2009 the remaining forms were changed in a like manner.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 158

STEROIDS: ^a Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

	Percentage who used in last 12 months														
	<u>1991</u>	<u>1992</u>	<u>1993</u>	1994	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	2001	2002	2003	2004	<u>2005</u>
Approximate weighted N =		14,800	15,300	15,800	17,000	15,600		15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200
Total	1.1	1.1	1.0	1.1	1.2	1.2	1.2	1.2	1.7	2.2	2.1	2.2	1.7	1.5	1.3
Gender															
Male	1.9	1.9	1.7	1.9	2.0	1.7	1.8	1.9	2.8	3.6	3.3	3.2	2.3	2.3	1.8
Female	0.3	0.3	0.3	0.4	0.5	0.6	0.6	0.6	0.7	8.0	1.0	1.2	1.1	0.9	0.7
College Plans															
None or under 4 years	1.7	1.3	1.9	2.1	2.1	2.1	2.4	1.9	2.6	3.6	3.2	3.0	2.7	2.9	1.9
Complete 4 years	0.9	1.0	8.0	0.9	1.1	1.0	1.0	1.1	1.6	1.9	1.9	2.1	1.5	1.4	1.2
Region															
Northeast	1.2	0.9	1.0	1.0	1.1	1.0	0.9	1.4	2.0	1.8	1.9	2.0	1.9	1.4	1.5
Midwest	1.0	1.1	1.2	1.1	1.2	1.4	1.2	1.1	1.8	2.1	1.5	1.8	1.9	1.4	1.2
South	1.0	1.2	1.0	1.3	1.3	1.4	1.4	1.4	1.7	2.5	2.5	2.5	1.5	1.9	1.5
West	1.0	1.2	8.0	1.1	1.3	0.6	1.3	0.9	1.4	2.1	2.3	2.4	1.4	1.4	0.9
Population Density															
Large MSA	1.5	0.9	8.0	8.0	8.0	8.0	1.0	8.0	1.2	2.3	1.9	2.1	1.4	1.2	0.9
Other MSA	1.0	1.0	0.9	1.1	1.4	1.2	1.2	1.3	1.9	2.0	2.0	2.3	1.5	1.5	1.4
Non-MSA	8.0	1.4	1.4	1.5	1.4	1.5	1.5	1.5	2.0	2.5	2.4	2.1	2.6	2.1	1.5
Parental Education ^b															
1.0–2.0 (Low)	0.7	0.9	1.5	1.8	1.2	1.7	1.7	1.3	1.2	2.3	1.6	1.6	1.9	1.5	1.8
2.5–3.0	1.3	1.1	1.0	0.9	1.1	0.7	1.1	1.1	1.7	2.2	2.1	2.0	1.9	1.8	1.2
3.5-4.0	1.0	1.2	1.1	8.0	1.6	1.2	1.4	1.7	2.0	2.0	2.3	2.8	1.9	1.7	1.0
4.5–5.0	0.9	1.0	0.8	1.4	1.1	1.2	1.0	0.9	1.5	2.4	2.0	2.0	1.6	1.5	1.5
5.5-6.0 (High)	1.2	1.4	1.1	1.1	1.0	1.1	1.1	1.1	2.4	2.2	2.1	3.0	1.3	1.2	1.3
Race/Ethnicity (2-year average) ^c															
White	_	1.0	1.0	1.0	1.2	1.3	1.3	1.3	1.5	2.1	2.3	2.4	2.3	1.8	1.6
African American	_	0.7	0.8	8.0	0.7	0.7	0.5	0.5	0.7	1.2	1.6	1.2	0.8	0.7	0.9
Hispanic	_	1.2	1.4	1.3	0.9	1.1	1.2	1.2	1.5	1.8	2.1	2.1	1.8	1.6	1.3

TABLE 158 (cont.)

STEROIDS: ^a Trends in <u>Annual Prevalence of Use by Subgroups in Grade 10</u>

					Pe	rcentage	who us	ed in las	t 12 mon	ths					
															2018-2019
	2006	2007	2008	2009	<u>2010</u>	<u>2011</u>	2012	<u>2013</u>	2014	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	2019	<u>change</u>
Approximate weighted N =	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	15,600	14,700	13,500	14,300	14,000	
Total	1.2	1.1	0.9	8.0	1.0	0.9	8.0	8.0	8.0	0.7	0.7	0.7	0.6	8.0	+0.2
Gender															
Male	1.9	1.7	1.4	1.2	1.3	1.4	1.3	1.3	1.1	1.0	0.9	8.0	0.6	1.1	+0.5 ss
Female	0.5	0.4	0.5	0.4	0.5	0.4	0.4	0.5	0.5	0.4	0.5	0.5	0.6	0.6	0.0
College Plans															
None or under 4 years	2.3	1.9	2.6	1.6	2.6	2.1	2.3	1.2	2.5	1.5	1.2	1.7	0.9	1.0	+0.1
Complete 4 years	1.1	0.9	0.7	0.7	0.8	8.0	0.7	8.0	0.6	0.7	0.7	0.6	0.6	8.0	+0.2
Region															
Northeast	0.9	1.1	8.0	1.2	1.1	8.0	8.0	1.0	0.5	1.1	0.5	0.7	0.7	8.0	+0.1
Midwest	1.2	1.2	1.0	0.7	0.7	8.0	0.7	8.0	0.7	0.7	0.9	8.0	0.7	0.6	-0.1
South	1.6	1.3	1.0	0.7	1.2	1.2	1.0	8.0	1.2	0.7	0.9	0.7	0.7	1.0	+0.3
West	0.9	0.7	8.0	0.6	0.8	0.7	0.7	8.0	0.6	0.6	0.5	0.6	0.4	8.0	+0.4
Population Density															
Large MSA	1.0	8.0	0.7	0.9	0.9	0.6	0.9	0.9	8.0	0.7	0.4	0.6	0.7	0.5	-0.2
Other MSA	1.3	1.1	1.0	0.7	0.9	1.0	8.0	0.9	0.6	0.7	8.0	0.7	0.6	0.9	+0.3
Non-MSA	1.4	1.3	1.1	0.7	1.1	1.1	0.7	8.0	1.2	1.0	1.1	8.0	0.7	1.2	+0.5
Parental Education ^b															
1.0–2.0 (Low)	1.4	1.0	1.5	1.0	1.5	0.5	1.1	1.0	0.6	0.4	0.7	1.2	0.4	1.0	+0.6
2.5–3.0	1.5	1.4	1.0	0.9	1.0	0.9	0.9	0.9	0.6	0.6	0.7	0.6	0.5	0.6	+0.1
3.5–4.0	1.3	1.0	0.9	0.7	0.9	8.0	0.7	1.2	1.0	0.9	0.9	0.9	0.9	1.0	+0.1
4.5–5.0	0.9	1.1	8.0	0.7	0.7	1.1	0.9	0.5	0.7	0.9	0.5	0.6	0.5	0.5	0.0
5.5-6.0 (High)	1.4	0.9	1.0	0.9	1.2	1.0	0.7	0.7	8.0	0.5	1.0	0.4	0.6	1.2	+0.6
Race/Ethnicity (2-year average) ^c															
White	1.3	1.2	1.0	8.0	0.7	8.0	8.0	8.0	8.0	8.0	8.0	8.0	0.7	8.0	+0.2
African American	1.1	0.9	8.0	0.7	1.0	1.3	1.0	0.9	1.0	1.0	0.7	0.7	0.6	0.4	-0.2
Hispanic	1.0	0.7	1.1	1.3	0.8	0.6	8.0	0.9	0.5	0.6	0.4	0.4	0.6	0.7	+0.1

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. In 2006 the question text was changed slightly in half of the questionnaire forms. An examination of the data did not show any effect from the wording change. In 2007 the remaining forms were changed in a like manner. In 2008 the question text was changed slightly in half of the questionnaire forms. An examination of the data did not show any effect from the wording change. In 2009 the remaining forms were changed in a like manner.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 159

STEROIDS: ^a Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

							Per	centage	who use	ed in last	t 12 mon	ths						
	1975-	4000	4000	1001	4000	4000	1001	1005	4000	4007	4000	4000	0000	0004	0000	0000	0004	0005
	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	1992	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	1999	2000	2001	2002	2003	2004	2005
Approximate weighted N =	_	16,700	15,200	15,000	15,800	16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700
Total	_	1.9	1.7	1.4	1.1	1.2	1.3	1.5	1.4	1.4	1.7	1.8	1.7	2.4	2.5	2.1	2.5	1.5
Gender																		
Male	_	2.8	2.6	2.4	2.1	2.5	2.1	2.4	2.2	2.5	2.8	3.1	2.5	3.8	3.8	3.2	3.3	2.6
Female	_	0.9	0.3	0.2	0.1	0.1	0.5	0.6	0.4	0.5	0.3	0.6	0.9	1.1	1.3	1.1	1.7	0.4
College Plans																		
None or under 4 years	_	2.3	2.2	2.1	2.1	2.0	1.9	2.0	2.3	2.3	2.1	3.6	2.0	4.6	4.1	2.6	2.8	2.1
Complete 4 years	_	1.6	1.3	1.2	8.0	0.9	1.1	1.2	1.1	1.2	1.4	1.3	1.6	1.8	2.0	2.0	2.4	1.2
Region																		
Northeast	_	2.0	1.3	1.2	0.6	1.5	1.5	1.6	1.3	2.1	0.9	1.3	1.9	4.5	2.1	3.0	3.8	1.6
Midwest	_	1.5	1.3	1.4	1.4	0.8	2.2	1.5	2.1	2.1	2.3	1.6	2.3	1.7	2.8	1.8	2.4	1.6
South	_	2.1	2.2	1.7	0.6	1.6	1.0	1.7	1.3	0.5	1.6	2.6	1.5	2.1	2.5	1.8	2.2	1.6
West	_	1.9	1.7	1.0	2.3	1.1	8.0	1.0	0.3	1.6	1.7	1.2	1.1	2.1	2.4	2.2	2.0	1.0
Population Density																		
Large MSA	_	1.6	1.3	1.1	1.0	0.7	1.1	1.4	1.3	8.0	2.1	1.3	1.7	1.9	2.0	2.1	2.6	1.4
Other MSA	_	2.3	1.5	1.4	1.4	0.9	1.5	1.3	1.3	1.7	1.5	2.0	2.0	2.9	3.0	2.1	2.9	1.4
Non-MSA	_	1.1	2.4	1.6	8.0	2.2	1.3	2.1	1.5	1.6	1.6	1.9	1.2	2.0	2.1	2.3	1.8	1.7
Parental Education ^b																		
1.0-2.0 (Low)	_	0.6	1.1	2.0	2.1	1.1	2.8	1.1	1.5	3.4	3.0	1.5	1.3	2.1	3.6	2.9	4.9	2.1
2.5-3.0	_	2.1	2.0	0.6	0.9	1.3	1.7	1.3	1.9	1.4	1.4	0.8	1.6	3.2	3.0	1.3	2.9	1.3
3.5-4.0	_	2.6	2.3	1.6	1.3	1.5	1.1	1.1	1.3	1.1	1.1	2.5	1.9	1.9	2.8	2.7	2.5	1.7
4.5-5.0	_	1.3	1.1	1.6	0.9	1.3	0.6	2.0	1.1	1.2	1.9	2.2	1.4	1.9	2.3	2.3	1.8	1.3
5.5-6.0 (High)	_	2.1	1.0	0.5	0.8	0.8	1.2	1.4	1.1	1.3	1.5	1.1	2.4	2.2	1.0	1.4	2.4	1.2
Race/Ethnicity (2-year average)	С																	
White	_	_	1.6	1.3	1.3	1.2	1.1	1.4	1.3	1.2	1.5	1.7	1.8	2.1	2.5	2.4	2.4	2.1
African American	_	_	1.8	1.2	0.5	1.1	1.8	1.2	1.4	1.5	0.9	0.7	1.0	1.2	1.0	1.1	1.3	1.6
Hispanic	_	_	23	33	1.8	0.9	17	13	0.6	16	24	29	24	2 1	22	1.8	24	2.0

Table continued on next page.

TABLE 159 (cont.)

STEROIDS: ^a Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

_					Per	centage	who use	ed in last	12 mon	ths					
															2018-2019
	<u>2006</u>	2007	2008	2009	<u>2010</u>	<u>2011</u>	2012	<u>2013</u>	2014	<u>2015</u>	<u>2016</u>	2017	<u>2018</u>	<u>2019</u>	change
Approximate weighted N =	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	1.8	1.4	1.5	1.5	1.5	1.2	1.3	1.5	1.5	1.7	1.0	1.1	1.1	1.0	-0.1
Gender															
Male	2.7	2.3	2.5	2.5	2.5	1.8	1.7	2.2	2.0	2.5	1.3	1.4	1.5	1.4	-0.1
Female	0.7	0.6	0.4	0.4	0.3	0.5	0.7	0.7	0.7	0.7	0.6	0.5	0.4	0.6	+0.2
College Plans															
None or under 4 years	2.7	2.1	3.1	2.9	3.3	1.6	1.4	2.7	1.8	1.8	2.1	2.3	2.2	3.0	+0.8
Complete 4 years	1.5	1.3	1.1	1.2	1.1	1.1	1.1	1.1	1.3	1.5	8.0	0.7	0.7	0.5	-0.2
Region															
Northeast	2.0	1.6	2.2	1.3	1.7	1.2	1.6	1.0	2.1	1.1	0.9	8.0	0.6	1.5	+1.0
Midwest	1.5	1.3	1.7	1.4	1.6	0.6	0.9	1.6	0.9	1.6	1.1	0.9	1.4	8.0	-0.6
South	2.0	2.0	1.4	1.7	1.5	1.5	1.6	1.9	1.4	1.9	1.1	1.4	1.4	1.1	-0.3
West	1.5	0.5	0.9	1.4	1.1	1.5	1.0	0.9	1.5	2.0	1.0	8.0	0.7	0.7	0.0
Population Density															
Large MSA	1.6	1.0	0.9	1.3	1.2	1.0	1.4	1.1	8.0	1.8	0.7	0.6	1.4	1.1	-0.3
Other MSA	1.6	1.5	1.4	1.7	1.5	1.4	1.2	1.1	1.9	1.9	1.3	1.0	1.0	0.9	-0.1
Non-MSA	2.2	1.9	2.4	1.1	1.6	1.2	1.0	2.8	1.1	1.2	0.9	1.8	0.9	1.3	+0.3
Parental Education ^b															
1.0-2.0 (Low)	2.8	3.0	2.1	1.7	1.6	2.2	1.5	3.3	1.9	1.1	1.5	1.4	1.6	1.1	-0.5
2.5–3.0	1.8	1.6	1.6	1.8	2.2	1.3	1.0	1.5	1.4	1.1	0.9	1.4	1.3	0.5	-0.7
3.5-4.0	1.7	1.1	1.3	1.6	1.6	1.5	1.1	8.0	1.1	2.1	1.1	0.7	0.7	1.8	+1.1
4.5–5.0	1.3	1.1	1.4	1.3	0.7	0.6	1.0	1.7	1.2	1.9	0.7	1.0	1.3	0.6	-0.7
5.5-6.0 (High)	1.5	1.5	1.5	0.9	1.4	8.0	1.8	0.5	1.4	1.9	1.2	0.6	0.7	8.0	0.0
Race/Ethnicity (2-year average)	С														
White	1.6	1.5	1.5	1.5	1.5	1.3	1.2	1.3	1.1	1.3	1.4	0.9	8.0	8.0	0.0
African American	1.7	1.6	1.4	1.5	1.7	1.8	1.6	1.4	2.7	2.2	1.3	2.2	2.4	1.8	-0.6
Hispanic	2.3	2.3	1.3	1.0	1.3	1.4	1.0	1.1	1.4	1.3	1.0	0.7	1.1	1.4	+0.3

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .001, '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of six forms in 1989–1990; N is one sixth of N indicated in Table S3. Data based on two of six forms in 1991–2005; N is two sixths of N indicated in Table S3. Data based on three of six forms beginning in 2006; N is three sixths of N indicated in Table s3. In 2006 there were no changes in the two forms containing the original version of the question text. A slightly altered version of the question was added to a third form. An examination of the data did not show any effect from the wording change. In 2007 the forms containing the original version were changed in a like manner. In 2008 the question wording was changed slightly in two of the questionnaire forms. An examination of the data did not show any effect from the wording changes. In 2009 the remaining form was changed in a like manner.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 160

MARIJUANA^c: Trends in <u>Lifetime</u> Prevalence of Daily Use for a Month or More by Subgroups in <u>Grade 12</u>

,					P	ercentag	e who us	sed daily	for mont	h or more	e in lifetin	ne				
	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	1988	1989	<u>1990</u>
Approximate weighted N =	_	_	_	_	_	_	_	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200
Total ^d	_	_	_	_	_	_	_	20.5	16.8	16.3	15.6	14.9	14.7	12.8	11.5	10.0
Gender:																
Male	_	_	_	_	_	_	_	20.1	18.1	17.2	17.7	16.6	16.2	14.8	12.7	10.6
Female	_	_	_		_	_	_	18.0	13.5	12.9	12.0	11.6	12.2	9.6	9.7	7.9
College Plans:																
None or under 4 years	_	_	_	_	_	_	_	22.5	20.3	18.9	19.6	17.2	18.0	14.5	15.3	12.8
Complete 4 years	_	_	_	_	_	_	_	13.8	10.5	10.7	10.6	11.0	11.1	9.8	9.1	7.4
Region:																
Northeast	_	_	_	_	_	_	_	25.1	20.4	24.1	20.9	21.5	17.0	13.1	14.6	10.4
Midwest	_	_	_	_	_	_	_	21.1	15.9	12.8	16.3	11.3	12.7	10.3	13.4	10.8
South	_	_	_	_	_	_	_	15.7	12.7	14.0	8.9	11.3	11.9	10.9	8.1	8.7
West	_	_	_	_	_	_	_	20.8	21.4	17.6	18.5	18.3	19.7	19.0	12.3	11.0
Population Density:																
Large MSA	_	_	_	_	_	_	_	23.8	20.0	19.4	18.1	17.0	16.7	14.0	10.6	8.3
Other MSA	_	_	_	_	_	_	_	20.3	18.2	16.6	16.0	14.9	15.0	14.9	12.4	11.7
Non-MSA	_	_	_	_	_	_	_	17.9	12.6	13.2	12.8	13.2	12.2	7.6	10.4	8.2
Parental Education: ^a																
1.0-2.0 (Low)	_	_	_	_	_	_	_	20.9	15.5	15.4	15.0	17.2	11.2	11.9	8.4	9.3
2.5–3.0	_	_	_	_	_	_	_	20.1	15.5	16.8	15.3	13.3	15.6	10.0	10.4	10.4
3.5–4.0	_	_	_	_	_	_	_	20.1	14.7	15.9	15.2	14.5	14.2	12.8	14.0	8.0
4.5–5.0	_	_	_	_	_	_	_	16.8	17.0	10.8	12.8	12.4	14.2	14.5	8.5	10.3
5.5-6.0 (High)	_	_	_	_	_	_	_	12.8	15.3	14.8	11.8	14.6	11.4	10.0	13.5	7.5
Race/Ethnicity (2-year average): b																
White	_	_	_	_	_	_	_	_	18.2	16.2	15.8	15.0	15.1	14.6	13.0	11.4
African American	_	_	_	_	_	_	_	_	11.3	9.9	9.8	9.2	8.6	6.9	6.2	4.2
Hispanic	_	_	_	_	_	_	_	_	19.5	14.8	11.0	11.8	11.3	11.4	9.4	8.3

Table continued on next page.

TABLE 160 (cont.)

MARIJUANA^c: Trends in <u>Lifetime</u> Prevalence of Daily Use for a Month or More by Subgroups in <u>Grade 12</u>

					Р	ercentag	e who us	ed daily	for montl	n or more	e in lifetin	ne				
Approximate weighted N =	<u>1991</u>	<u>1992</u> 15,800	<u>1993</u> 16,300	<u>1994</u> 15,400	<u>1995</u> 15,400	<u>1996</u> 14,300	<u>1997</u> 15,400	<u>1998</u> 15,200	<u>1999</u> 13,600	2000 12,800	2001 12,800	2002 12,900	2003 14,600	2004 14,600	2005 14,700	2006 14,200
Total ^d	9.0	8.4	9.6	11.3	12.1	15.7	18.8	18.0	17.9	17.0	18.0	15.5	16.4	17.8	14.5	16.6
Gender:	0.0	0	0.0													
Male	10.5	8.3	10.7	13.3	12.9	18.7	19.7	19.5	18.5	18.8	20.3	17.2	17.1	19.9	15.8	17.0
Female	6.4	7.5	7.2	8.5	7.9	10.7	15.2	13.9	14.4	13.7	13.8	11.7	12.5	12.3	11.1	13.3
College Plans:																
None or under 4 years	11.5	11.2	11.6	16.1	14.2	21.5	22.6	22.1	22.1	19.1	22.8	20.5	22.2	24.5	20.0	24.8
Complete 4 years	6.5	5.9	7.7	8.6	9.2	11.9	14.9	13.4	14.2	13.7	13.8	11.7	11.9	13.4	11.4	12.2
Region:																
Northeast	10.3	8.7	12.0	12.2	12.8	21.3	24.6	22.7	17.9	19.8	23.4	20.7	20.8	19.5	15.5	17.7
Midwest	8.4	8.0	9.3	11.0	13.6	14.6	16.5	16.1	14.3	13.8	18.4	16.3	15.0	17.9	16.6	16.3
South	7.4	5.9	8.3	11.8	11.2	12.7	14.9	15.6	19.1	14.7	12.7	14.6	15.5	18.6	15.8	17.1
West	11.3	13.4	10.4	10.2	10.6	17.0	23.0	20.6	20.4	21.9	21.2	11.7	15.4	14.3	8.9	15.2
Population Density:																
Large MSA	7.2	8.4	8.6	10.3	13.9	15.3	18.8	18.0	16.3	18.4	19.7	15.2	14.0	17.0	13.7	18.7
Other MSA	11.1	8.9	10.2	13.6	11.3	18.2	20.1	19.7	19.2	18.3	17.5	15.1	19.0	19.5	14.6	14.2
Non-MSA	7.1	7.6	9.6	8.4	11.2	11.6	16.2	14.4	17.1	13.0	17.1	16.8	14.8	15.5	15.3	18.2
Parental Education: a																
1.0-2.0 (Low)	9.6	12.4	7.2	10.3	10.0	14.1	16.1	18.0	13.9	20.9	16.7	13.7	16.4	17.2	11.1	26.5
2.5–3.0	7.1	8.3	10.8	8.8	11.2	16.3	20.2	16.5	15.6	16.6	16.7	17.7	15.0	17.5	18.0	15.4
3.5-4.0	9.3	8.6	9.8	12.6	11.5	15.1	14.9	17.6	18.0	16.0	19.4	13.3	14.1	18.4	12.9	16.5
4.5–5.0	8.2	4.9	8.0	10.2	9.4	13.2	18.1	14.7	18.7	12.7	15.2	16.0	14.6	16.1	11.1	12.6
5.5–6.0 (High)	7.9	6.5	6.4	9.6	10.1	14.3	14.1	16.0	9.1	17.5	9.8	6.9	10.6	11.4	11.6	9.9
Race/Ethnicity (2-year average): b																
White	9.6	8.7	9.4	10.8	11.0	13.0	16.8	17.7	16.7	16.2	17.1	16.7	16.2	17.1	16.9	16.3
African American	2.6	2.9	4.2	7.3	9.7	10.3	11.2	13.3	14.5	13.6	12.4	10.2	8.7	11.0	11.9	12.7
Hispanic	10.7	11.7	7.9	7.5	9.1	13.0	18.3	18.2	21.1	24.3	16.8	13.2	10.8	10.9	11.0	11.6

Table continued on next page.

TABLE 160 (cont.)

MARIJUANA^c: Trends in <u>Lifetime</u> Prevalence of Daily Use for a Month or More by Subgroups in <u>Grade 12</u>

				Perce	ntage wh	o used o	laily for n	nonth or	more in I	ifetime				
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2018-2019 <u>change</u>
Approximate weighted N =		14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	<u>onango</u>
Total ^d	15.7	15.1	14.9	15.5	17.4	18.2	15.8	13.7	12.4	14.3	13.9	12.3	14.9	+2.6
Gender:														
Male	17.5	15.3	16.8	17.4	20.4	21.6	18.4	15.5	13.1	17.2	15.7	12.3	16.2	+3.9
Female	12.6	12.8	10.7	11.5	12.0	11.9	11.7	10.9	9.8	10.3	10.5	9.3	11.7	+2.3
College Plans:														
None or under 4 years	21.8	23.4	18.6	21.9	26.4	28.0	24.3	22.9	19.0	19.2	22.5	18.5	16.4	-2.2
Complete 4 years	13.3	11.0	11.8	12.5	13.9	14.1	12.5	10.3	9.7	11.5	10.4	8.1	12.3	+4.3 ss
Region:														
Northeast	19.0	19.7	14.2	16.0	18.6	17.6	17.5	15.9	13.6	12.3	13.6	9.7	15.4	+5.7
Midwest	17.1	13.8	17.0	15.4	15.9	15.7	14.5	11.3	10.8	11.1	13.5	14.6	14.3	-0.4
South	14.2	13.3	15.9	14.8	17.5	16.7	14.2	12.8	13.8	15.5	13.6	11.0	14.2	+3.2
West	13.9	15.6	11.2	16.4	17.8	23.2	18.2	15.6	10.4	16.6	14.9	14.0	17.2	+3.2
Population Density:														
Large MSA	14.2	18.3	13.8	16.6	18.6	20.2	16.8	13.8	12.5	17.3	14.1	12.2	15.6	+3.4
Other MSA	16.2	13.5	15.4	16.5	17.1	18.2	16.3	14.0	11.6	10.9	14.0	11.5	15.2	+3.7
Non-MSA	16.8	14.8	15.1	11.5	16.1	14.9	13.3	13.0	14.2	17.8	13.2	14.3	12.6	-1.7
Parental Education: a														
1.0-2.0 (Low)	15.8	17.7	13.8	13.6	16.4	20.6	21.4	12.5	12.9	13.7	17.4	10.9	15.8	+4.9
2.5–3.0	18.0	18.5	16.2	14.5	15.2	18.3	18.0	17.2	15.2	13.3	15.0	10.3	15.7	+5.4
3.5-4.0	15.7	12.3	13.2	17.2	16.5	16.5	16.9	13.6	11.9	16.2	13.3	11.7	15.1	+3.4
4.5–5.0	13.3	12.1	11.5	10.8	16.5	16.4	12.7	11.5	10.2	12.3	9.1	9.8	11.8	+2.0
5.5-6.0 (High)	12.2	9.2	11.0	10.7	15.6	13.9	8.1	5.4	6.6	9.3	7.5	8.4	7.7	-0.7
Race/Ethnicity (2-year average): b														
White	15.9	15.0	14.3	14.3	15.3	16.8	16.2	13.7	11.2	11.5	12.5	11.6	11.2	-0.4
African American	13.9	10.4	10.8	14.7	14.6	14.5	13.7	14.0	14.1	14.3	14.9	12.8	13.3	+0.5
Hispanic	13.8	13.9	13.0	12.8	15.4	19.0	18.5	15.8	13.6	12.8	14.7	12.2	12.6	+0.3

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. Data based on one of six forms; N is one sixth of N indicated in Table S3. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes

^cThese estimates are based on data that have been cleaned to account for inconsistency with related questions.

^dTotal prevalence includes respondents who are missing data on some subgroups, and thus may appear inconsistent with subgroup prevalence values.

TABLE 161

NONPRESCRIPTION DIET PILLS: Trends in <u>Annual</u> Prevalence of Legal Use by Subgroups in <u>Grade 12</u>

						Pe	ercentag	e who us	ed in last	: 12 mont	ths					
	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	1980	<u>1981</u>	<u>1982</u>	1983	1984	<u>1985</u>	1986	1987	1988	1989	<u>1990</u>
Approximate weighted N =	_	_	_	_	_	_	_	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200
Total	_	_	_	_	_	_	_	20.5	20.5	18.8	16.9	15.3	13.9	12.2	10.9	10.4
Gender:																
Male	_	_	_	_	_	_	_	10.7	10.6	9.2	9.0	6.9	6.4	4.9	4.3	4.3
Female	_	_	_	_	_	_	_	29.6	30.0	27.5	24.4	23.2	21.1	18.8	17.2	16.7
College Plans:																
None or under 4 years	_	_	_	_	_	_	_	23.3	21.4	18.2	20.7	16.1	14.9	13.1	11.9	13.2
Complete 4 years	_	_	_	_	_	_	_	17.5	19.0	18.8	14.7	15.0	13.3	11.7	10.9	9.7
Region:																
Northeast	_	_	_	_	_	_	_	19.1	18.5	18.4	16.5	14.9	14.3	10.5	10.4	11.5
Midwest	_	_	_	_	_	_	_	24.6	23.3	20.2	19.2	16.6	15.0	13.7	15.0	11.1
South	_	_	_	_	_	_	_	18.2	19.2	19.6	14.9	13.9	13.1	12.0	9.3	10.0
West	_	_	_	_	_	_	_	18.9	21.1	15.8	17.3	16.4	13.5	12.1	8.7	8.9
Population Density:																
Large MSA	_	_	_	_	_	_	_	19.7	18.7	17.3	17.1	15.0	13.0	12.1	10.3	7.4
Other MSA	_	_	_	_	_	_	_	20.0	22.8	18.6	17.1	15.6	13.7	12.4	10.9	11.2
Non-MSA	_	_	_	_	_	_	_	21.7	19.2	20.5	16.5	15.2	15.2	11.9	11.7	11.7
Parental Education: a																
1.0-2.0 (Low)	_	_	_	_	_	_	_	19.5	15.9	19.2	14.6	12.0	13.5	13.4	9.5	5.1
2.5–3.0	_	_	_	_	_	_	_	21.6	21.3	18.2	17.8	15.6	13.1	12.0	9.9	12.3
3.5–4.0	_	_	_	_	_	_	_	20.6	20.2	20.6	18.0	16.6	14.5	11.5	11.8	9.2
4.5–5.0	_	_	_	_	_	_	_	19.3	22.4	17.4	16.8	15.0	15.9	12.0	10.4	12.0
5.5-6.0 (High)	_	_	_	_	_	_	_	21.0	22.3	19.1	17.1	15.7	11.6	13.6	13.4	12.2
Race/Ethnicity (2-year average): b																
White	_	_	_	_	_	_	_	_	23.2	22.2	20.4	18.4	16.3	14.7	13.4	12.5
African American	_	_	_	_	_	_	_	_	6.6	8.1	6.4	5.5	7.5	6.9	4.3	2.9
Hispanic	_	_		_			_	_	11.6	12.6	14.8	10.8	7.8	7 9	9.6	9.8

Table continued on next page.

TABLE 161 (cont.)

NONPRESCRIPTION DIET PILLS: Trends in <u>Annual</u> Prevalence of Legal Use by Subgroups in <u>Grade 12</u>

						Pe	rcentage	who us	ed in last	12 mont	hs					
Approximate weighted N =	<u>1991</u> 15,000	<u>1992</u> 15,800	<u>1993</u> 16,300	<u>1994</u> 15,400	<u>1995</u> 15,400	<u>1996</u> 14,300	<u>1997</u> 15,400	1998 15,200	<u>1999</u> 13,600	2000 12,800	2001 12,800	2002 12,900	2003 14,600	2004 14,600	2005 14,700	2006 14,200
Total	8.8	8.4	8.0	9.3	9.8	9.3	9.8	9.6	10.2	11.1	11.8	15.1	13.0	10.7	10.0	9.4
Gender:																
Male	3.0	4.3	3.2	2.5	3.5	3.7	4.9	4.3	4.0	4.9	6.2	8.1	6.9	6.5	6.0	5.7
Female	14.2	12.2	12.3	15.0	15.1	14.1	14.6	15.4	15.7	17.2	15.6	20.0	17.5	14.1	13.2	12.5
College Plans:																
None or under 4 years	8.9	10.5	9.7	10.8	11.5	10.8	12.0	10.7	9.1	10.0	9.4	17.8	13.9	10.4	11.5	12.1
Complete 4 years	8.6	8.0	7.3	9.3	9.3	8.6	9.2	10.1	10.4	11.5	11.6	13.8	12.6	10.5	9.3	8.6
Region:																
Northeast	5.7	6.3	7.6	8.6	8.2	10.1	8.1	8.6	8.6	8.0	12.8	16.7	11.6	11.9	9.1	12.0
Midwest	10.7	9.3	8.4	11.8	11.8	9.5	10.2	10.4	10.4	12.6	15.5	14.4	14.4	9.1	10.0	9.9
South	9.0	7.7	9.2	8.9	10.8	9.4	11.5	10.1	11.2	12.9	9.9	16.7	13.6	10.5	10.4	9.2
West	8.8	10.3	5.4	7.4	6.3	7.9	7.8	8.6	9.3	9.3	8.6	12.4	11.7	12.2	10.1	6.5
Population Density:																
Large MSA	7.7	7.4	7.3	8.5	10.7	8.5	9.4	9.5	9.0	8.3	12.3	13.9	12.5	9.8	7.9	8.0
Other MSA	9.2	8.4	6.8	9.9	8.9	9.3	8.7	9.1	9.5	11.5	11.5	13.6	10.8	11.5	10.7	9.9
Non-MSA	9.1	9.2	10.5	9.1	10.1	10.0	12.3	11.0	12.6	13.6	11.7	19.8	17.7	10.3	11.1	10.3
Parental Education: ^a																
1.0–2.0 (Low)	9.4	10.6	6.9	11.0	8.9	8.3	14.4	11.8	9.9	9.8	5.6	12.7	15.8	7.0	10.5	6.9
2.5–3.0	8.6	8.9	8.9	11.0	10.9	8.5	10.5	8.9	11.1	13.1	15.0	17.7	13.8	14.1	11.1	13.3
3.5-4.0	8.2	7.9	7.8	10.6	11.5	9.7	8.8	9.9	10.5	11.6	14.1	15.6	11.1	10.7	10.2	9.0
4.5–5.0	9.3	6.6	8.0	8.5	7.5	8.8	10.7	11.6	11.2	12.7	9.0	14.8	11.5	9.0	8.9	8.6
5.5-6.0 (High)	8.5	8.2	6.2	5.3	9.2	8.4	9.4	9.6	7.4	7.4	7.9	8.5	13.4	10.1	7.5	6.4
Race/Ethnicity (2-year average): b																
White	11.0	9.8	9.2	9.7	10.9	10.9	10.8	11.2	11.2	11.8	12.9	14.8	15.4	13.1	11.3	10.7
African American	3.5	3.0	4.5	6.1	5.3	4.3	5.3	4.9	4.2	5.5	6.5	5.5	4.6	4.8	4.5	4.2
Hispanic	5.6	4.6	7.1	7.1	7.5	7.0	8.2	9.3	9.8	10.0	9.1	13.2	12.7	7.9	7.5	7.7

Table continued on next page.

TABLE 161 (cont.)

NONPRESCRIPTION DIET PILLS: Trends in <u>Annual</u> Prevalence of Legal Use by Subgroups in <u>Grade 12</u>

					Percer	ntage wh	o used in	last 12 i	months					
	2007	2008	2009	2010	2011	2012	<u>2013</u>	2014	<u>2015</u>	2016	2017	2018	2019	2018-2019 <u>change</u>
Approximate weighted N =	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	_
Total	6.7	7.2	6.1	4.3	4.9	5.5	5.3	6.4	5.1	4.5	4.0	3.5	3.1	-0.4
Gender:														
Male	3.4	4.2	3.0	2.4	3.0	3.7	2.6	3.7	1.6	1.6	2.7	2.0	1.6	-0.5
Female	9.2	9.9	9.3	6.0	6.1	7.0	7.3	8.6	8.3	7.1	4.5	4.5	3.9	-0.6
College Plans:														
None or under 4 years	4.4	10.2	9.4	4.3	6.1	5.2	5.2	12.0	4.8	4.7	3.4	3.8	3.5	-0.3
Complete 4 years	7.1	6.8	5.6	4.5	4.4	5.5	4.8	5.0	5.1	4.6	3.5	3.6	2.9	-0.7
Region:														
Northeast	7.2	6.3	4.6	3.5	3.2	4.8	5.7	8.1	5.0	4.6	3.6	3.8	2.5	-1.3
Midwest	7.4	8.0	6.0	5.4	5.8	4.3	5.8	6.4	6.3	4.4	3.6	3.9	2.1	-1.7
South	6.9	6.5	6.8	3.8	4.7	7.4	6.0	6.5	4.5	4.9	5.0	3.7	3.1	-0.6
West	5.3	8.0	6.6	4.7	5.4	4.8	3.3	4.6	5.3	3.9	2.8	2.8	5.5	+2.7
Population Density:														
Large MSA	4.8	6.8	5.2	3.9	4.2	6.1	5.7	4.4	4.6	3.2	3.3	2.8	3.1	+0.3
Other MSA	7.4	7.0	5.8	5.0	4.3	5.6	4.7	7.2	5.0	5.2	3.9	3.5	3.3	-0.2
Non-MSA	8.3	7.9	8.0	3.1	7.3	4.6	6.1	7.1	6.3	4.9	5.2	4.9	2.8	-2.1
Parental Education: a														
1.0–2.0 (Low)	5.8	7.4	5.9	4.4	5.5	8.9	5.9	6.1	4.4	4.2	2.4	2.1	5.0	+2.9
2.5–3.0	8.8	7.8	8.2	4.6	4.7	4.5	6.9	6.1	4.9	5.0	5.6	3.6	2.2	-1.4
3.5–4.0	6.0	7.5	5.9	5.0	6.0	4.9	5.4	7.9	8.0	5.1	3.1	4.8	2.0	-2.7 s
4.5–5.0	5.0	8.7	4.9	3.7	4.7	5.7	3.1	6.3	4.4	4.7	4.1	3.7	3.2	-0.5
5.5–6.0 (High)	7.4	3.0	6.5	4.9	2.7	3.7	3.4	4.2	3.0	3.0	3.3	4.0	2.1	-1.9
Race/Ethnicity (2-year average): b														
White	9.3	8.1	7.2	4.8	4.3	4.9	4.8	5.6	6.0	5.7	5.0	4.4	3.4	-1.0 s
African American	3.2	2.5	3.4	4.4	3.0	3.3	3.6	4.3	3.6	1.8	2.4	3.0	2.4	-0.6
Hispanic	4.9	5.2	7.2	6.4	5.5	5.6	5.6	5.1	5.0	4.4	2.6	1.9	2.9	+1.0

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. Data based on one of six forms; N is one sixth of N indicated in Table S3. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 162
NONPRESCRIPTION STAY-AWAKE PILLS: Trends in <u>Annual</u> Prevalence of Legal Use by Subgroups in <u>Grade 12</u>

						Pe	ercentage	e who us	ed in last	12 mon	ths					
	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	1982	1983	1984	1985	1986	1987	1988	1989	1990
Approximate weighted N =	_	_	_	_	_	_	_	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200
Total	_	_	_	_	_	_	_	11.8	12.3	13.9	18.2	22.3	25.2	26.4	23.0	23.4
Gender:																
Male	_	_	_	_	_	_	_	12.8	13.8	15.4	19.7	22.3	25.5	27.6	24.8	22.3
Female	_	_	_	_	_	_	_	10.0	10.5	12.5	17.0	22.2	25.0	25.2	21.7	24.5
College Plans:																
None or under 4 years	_	_	_	_	_	_	_	11.4	10.8	12.5	15.5	18.1	23.1	23.3	21.8	22.9
Complete 4 years	_	_	_	_	_	_	_	10.5	12.6	14.0	20.4	24.9	26.5	27.5	24.1	24.1
Region:																
Northeast	_	_	_	_	_	_	_	9.6	9.5	11.9	18.2	20.4	26.4	23.8	18.4	22.0
Midwest	_	_	_	_	_	_	_	15.1	16.8	16.3	18.4	24.5	26.8	27.5	29.1	28.4
South	_	_	_	_	_	_	_	9.6	10.7	12.0	13.3	19.8	20.9	25.6	20.4	20.6
West	_	_	_	_	_	_	_	13.5	11.5	16.0	25.6	25.5	28.9	28.9	24.0	22.9
Population Density:																
Large MSA	_	_	_	_	_	_	_	11.5	11.1	12.2	17.7	19.0	25.6	23.2	20.9	19.0
Other MSA	_	_	_	_	_	_	_	12.4	14.5	14.0	19.1	24.1	24.1	27.7	22.9	25.1
Non-MSA	_	_	_	_	_	_	_	11.3	10.5	15.4	17.4	22.1	27.0	27.4	25.2	24.5
Parental Education: ^a																
1.0-2.0 (Low)	_	_	_	_	_	_	_	8.8	8.2	8.3	10.9	12.0	15.0	17.1	18.1	15.3
2.5–3.0	_	_	_	_	_	_	_	10.6	10.1	13.9	15.5	19.5	22.8	22.5	21.6	23.2
3.5–4.0	_	_	_	_	_	_	_	12.6	13.5	13.5	21.3	26.5	30.0	28.4	26.0	25.6
4.5–5.0	_	_	_	_	_	_	_	13.2	15.3	16.1	24.0	23.7	29.9	30.3	24.0	28.0
5.5-6.0 (High)	_	_	_	_	_	_	_	13.0	16.7	18.0	20.2	28.7	24.9	32.3	25.1	22.3
Race/Ethnicity (2-year average): b																
White	_	_	_	_	_	_	_	_	13.6	15.0	18.7	23.7	27.7	30.4	29.8	27.7
African American	_	_	_	_	_	_	_	_	2.0	3.0	3.6	4.4	5.5	6.2	6.0	6.4
Hispanic	_	_	_	_	_	_	_		5.7	8.3	8.4	9.7	13.8	15.6	16.5	14.1

Table continued on next page.

TABLE 162 (cont.)

NONPRESCRIPTION STAY-AWAKE PILLS: Trends in Annual Prevalence of Legal Use by Subgroups in Grade 12

						Pe	ercentage	who us	ed in last	: 12 mont	ths					
Approximate weighted N =	<u>1991</u> 15,000	<u>1992</u> 15,800	1993 16,300	<u>1994</u> 15,400	<u>1995</u> 15,400	<u>1996</u> 14,300	<u>1997</u> 15,400	<u>1998</u> 15,200	<u>1999</u> 13,600	2000 12,800	2001 12,800	2002 12,900	2003 14,600	2004 14,600	2005 14,700	2006 14,200
Total	22.2	20.4	19.2	20.7	20.3	19.0	19.7	19.0	15.7	15.0	17.3	14.9	12.5	11.8	10.4	10.0
Gender:																
Male	22.3	20.9	19.7	20.3	19.7	18.2	17.4	19.5	14.5	14.0	17.8	13.9	9.3	11.1	9.4	10.2
Female	22.0	20.2	17.6	20.4	20.1	18.7	21.0	18.0	15.9	15.9	16.5	14.6	14.3	12.3	10.3	9.4
College Plans:																
None or under 4 years	21.0	20.5	18.6	20.1	21.1	18.2	21.8	18.5	14.3	15.5	18.9	16.1	14.3	13.0	11.2	9.1
Complete 4 years	22.3	21.0	18.7	20.6	19.7	18.3	19.1	18.4	15.1	14.7	16.5	14.0	11.9	11.4	9.3	9.8
Region:																
Northeast	18.3	18.2	20.2	21.2	18.4	22.5	19.1	17.6	16.0	10.2	14.7	13.9	10.9	14.0	8.0	8.3
Midwest	31.8	25.7	22.0	26.2	24.2	19.8	23.8	22.0	17.3	19.3	24.4	18.9	12.9	12.3	13.4	14.1
South	16.1	17.6	18.7	20.2	18.8	17.5	20.1	18.8	15.6	13.8	15.4	13.5	11.6	9.7	11.0	9.7
West	23.4	20.0	14.9	13.7	19.1	16.5	13.3	16.8	13.3	16.3	12.4	13.2	14.9	12.5	8.0	7.0
Population Density:																
Large MSA	16.7	15.2	16.7	18.4	18.9	14.4	15.5	15.3	9.6	11.0	15.7	11.9	9.2	8.3	7.4	7.7
Other MSA	25.3	21.2	19.8	21.1	19.3	20.2	18.4	21.1	18.4	15.2	14.3	14.7	12.6	13.6	11.7	10.2
Non-MSA	21.7	23.4	19.9	22.3	23.6	20.7	26.8	18.9	17.3	19.3	24.3	19.3	16.5	12.2	11.4	12.7
Parental Education: ^a																
1.0-2.0 (Low)	14.9	16.2	11.0	16.6	13.2	11.5	18.2	11.7	7.9	7.3	15.3	8.9	10.3	5.9	4.2	6.1
2.5–3.0	20.2	22.8	19.0	18.1	18.1	19.0	21.0	16.5	13.4	15.1	17.1	13.4	12.0	13.9	9.7	9.0
3.5-4.0	23.9	22.4	18.6	21.6	24.3	17.4	17.6	19.9	18.3	17.0	20.3	16.5	11.4	13.5	12.8	11.4
4.5–5.0	25.1	20.0	21.1	24.4	20.4	23.2	20.2	20.3	15.6	16.7	16.2	14.9	12.7	11.3	9.7	10.0
5.5-6.0 (High)	25.8	17.8	20.2	18.4	17.3	17.4	19.3	22.6	14.9	13.4	13.6	15.7	14.5	11.4	8.3	8.9
Race/Ethnicity (2-year average): b																
White	27.4	25.8	24.0	23.7	23.9	23.3	23.1	23.2	20.7	18.2	19.9	19.5	16.0	14.2	12.8	11.6
African American	5.1	3.5	3.5	3.6	4.8	4.4	5.3	6.2	3.6	3.0	4.2	3.2	2.2	1.9	2.3	2.6
Hispanic	11.6	11.9	13.3	14.2	12.3	9.5	9.6	10.1	12.3	11.8	10.6	12.3	9.4	5.6	5.7	6.9

Table continued on next page.

TABLE 162 (cont.)

NONPRESCRIPTION STAY-AWAKE PILLS: Trends in <u>Annual Prevalence of Legal Use by Subgroups in Grade 12</u>

					Percer	ntage wh	o used in	last 12 i	months					
	2007	2008	2009	2010	2011	2012	2013	2014	<u>2015</u>	<u>2016</u>	2017	2018	2019	2018-2019 <u>change</u>
Approximate weighted N =		14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	7.6	6.3	4.8	3.2	3.9	3.8	3.2	3.5	2.7	2.5	2.5	2.4	1.8	-0.6
Gender:														
Male	7.8	5.2	5.9	3.2	2.8	3.9	2.9	2.8	2.1	2.3	2.6	1.9	1.8	0.0
Female	7.1	7.0	3.5	3.1	4.6	3.8	3.4	3.6	2.7	2.5	1.7	2.7	1.3	-1.5 s
College Plans:														
None or under 4 years	9.5	9.5	3.9	3.0	5.1	4.4	3.0	4.4	3.1	1.1	2.1	5.0	2.6	-2.4
Complete 4 years	7.1	5.3	4.7	3.3	3.6	3.5	2.9	3.3	2.4	2.8	2.0	1.4	1.4	0.0
Region:														
Northeast	5.7	6.7	5.6	3.0	2.7	3.0	4.0	2.6	2.9	1.9	1.5	1.8	1.4	-0.4
Midwest	10.9	6.6	6.1	3.1	4.2	3.1	3.1	4.2	4.6	2.8	1.7	2.9	1.6	-1.3
South	7.4	5.9	4.6	3.3	2.8	4.2	2.7	3.9	2.3	2.0	3.7	1.9	2.1	+0.2
West	6.3	6.2	3.0	3.2	6.2	4.5	3.4	2.8	1.5	3.3	1.8	3.2	1.9	-1.3
Population Density:														
Large MSA	5.3	7.2	4.9	2.8	3.9	2.5	2.6	2.0	2.0	1.2	1.8	1.5	1.6	+0.1
Other MSA	8.9	5.0	4.4	3.8	3.8	4.1	3.3	3.9	2.8	3.0	2.7	2.3	2.0	-0.3
Non-MSA	8.3	8.1	5.9	2.3	4.1	5.1	3.7	4.6	3.5	3.1	3.1	4.2	1.7	-2.4
Parental Education: a														
1.0–2.0 (Low)	3.7	6.0	3.3	1.8	3.5	6.5	2.8	3.8	3.6	1.4	0.7	1.9	2.3	+0.3
2.5–3.0	9.5	6.7	4.7	1.6	4.3	4.7	3.1	2.0	2.2	2.0	3.9	3.0	2.2	-0.7
3.5-4.0	7.6	7.4	3.7	3.9	5.1	3.3	4.8	3.2	2.4	3.0	1.8	3.5	1.5	-2.0
4.5–5.0	6.2	4.9	4.5	3.3	3.1	3.3	2.0	3.5	2.8	3.0	2.6	0.9	1.2	+0.3
5.5–6.0 (High)	9.7	5.4	5.7	5.5	2.9	2.4	2.3	6.2	1.7	1.4	1.5	1.9	1.6	-0.3
Race/Ethnicity (2-year average): b														
White	10.6	8.4	6.3	4.4	3.8	4.0	3.6	3.3	3.3	3.3	2.5	2.2	2.0	-0.2
African American	1.2	1.2	3.0	3.3	2.0	2.2	2.3	2.1	1.8	1.2	1.1	1.1	2.5	+1.4
Hispanic	5.2	4.4	4.4	2.7	2.7	4.5	4.0	3.3	2.5	1.4	1.3	1.8	1.5	-0.3

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. Data based on one of six forms; N is one sixth of N indicated in Table S3. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 163
STIMULANT-TYPE ADHD DRUGS:
Trends in Lifetime Prevalence of Legal Use by Subgroups in Grade 8

							Percent	tage who	used in	lifetime							2018-
	1991-																2019
	<u>2004</u>	<u>2005</u>	<u>2006</u>	2007	2008	2009	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>
Approximate weighted N =	_	14,500	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	,	11,800	12,600	13,300	12,900	
Total	_	8.3	9.3	8.3	8.1	7.8	8.2	7.6	7.7	7.1	7.2	7.1	7.5	6.6	7.1	6.5	-0.6
Gender:																	
Male	_	9.3	11.2	9.4	9.9	9.2	9.3	8.6	9.1	8.8	7.9	8.3	8.9	7.6	8.6	7.9	-0.7
Female	_	7.2	7.4	7.3	6.5	6.8	7.1	6.4	6.4	5.4	6.7	6.0	6.0	5.2	6.1	4.9	-1.1
College Plans:																	
None or under 4 years	_	14.4	16.6	10.8	10.8	7.7	11.1	11.3	10.3	12.4	12.2	9.6	13.5	8.6	11.1	10.2	-0.9
Complete 4 years	_	7.6	8.6	8.0	7.8	7.9	7.9	7.2	7.5	6.7	6.9	6.8	7.0	6.4	6.6	6.1	-0.5
Region:																	
Northeast	_	7.8	7.9	7.2	9.0	8.5	6.3	6.0	5.6	7.1	7.2	5.7	5.6	5.8	8.1	6.7	-1.4
Midwest	_	8.5	8.6	8.8	6.7	7.0	8.9	8.2	7.6	6.7	7.1	7.5	8.7	7.7	7.0	5.7	-1.3
South	_	9.3	10.2	9.3	9.9	9.5	8.9	7.5	9.4	8.8	7.7	8.6	9.4	7.7	9.3	7.1	-2.1
West	_	6.7	9.7	6.8	6.6	5.6	7.4	8.4	6.0	4.6	6.7	4.9	4.2	4.5	3.2	6.2	+3.1 s
Population Density:																	
Large MSA	_	7.2	7.6	7.1	7.2	6.5	7.2	7.5	6.4	6.1	6.4	6.3	6.2	6.9	6.3	5.9	-0.4
Other MSA		10.0	10.3	9.0	9.32	8.2	8.9	7.7	8.1	7.1	8.2	7.4	8.3	6.5	8.8	6.3	-2.5
Non-MSA		6.9	10.0	8.5	7.0	8.6	7.9	7.6	8.7	8.4	6.4	7.4	7.5	6.7	4.7	7.9	+3.2 s
Parental Education: a																	
1.0–2.0 (Low)	_	12.1	12.0	9.0	11.2	11.0	7.2	8.6	7.7	4.2	4.9	7.4	7.2	4.3	7.8	4.7	-3.1
2.5–3.0	_	7.9	10.6	9.1	7.8	7.5	8.9	8.0	8.8	6.0	7.2	7.6	8.5	6.4	5.9	8.4	+2.6
3.5–4.0	_	9.7	7.9	8.7	6.8	8.0	7.3	8.4	7.4	8.3	7.4	7.4	7.0	6.2	6.9	7.3	+0.4
4.5–5.0	_	6.9	9.0	7.5	8.6	7.5	8.3	7.1	7.8	7.8	7.6	7.0	7.4	6.9	8.4	6.6	-1.8
5.5–6.0 (High)	_	8.2	8.5	8.8	9.7	8.1	9.2	6.9	6.2	6.7	6.6	6.7	6.4	8.2	7.9	4.9	-2.9
Race/Ethnicity (2-year average): b																	
White	_	_	9.3	9.5	9.1	9.0	9.0	8.3	8.1	8.3	8.3	8.2	8.5	8.4	8.4	8.5	0.0
African American	_	_	6.4	5.8	6.7	7.2	7.0	6.4	6.1	6.6	6.0	5.7	6.1	6.9	7.2	4.7	-2.5 sss
Hispanic			7.5	7.4	6.6	6.1	5.8	7.1	6.4	4.1	4.9	5.5	5.2	4.2	3.9	4.4	+0.5

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data are based on one of four forms; N is one third of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

TABLE 164
STIMULANT-TYPE ADHD DRUGS:
Trends in <u>Lifetime</u> Prevalence of Legal Use by Subgroups in <u>Grade 10</u>

							Percent	age who	used in	lifetime							2018-
	1991-																2019
	<u>2004</u>	2005	<u>2006</u>	<u>2007</u>	<u>2008</u>	2009	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>
Approximate weighted N =	_	14,500	14,200	14,500	14,000	13,700	14,400		13,700	12,600	12,400	,	11,800	12,600	13,300	12,900	
Total	_	8.7	8.5	8.4	7.8	8.2	8.6	7.2	8.0	8.3	6.8	8.8	7.1	6.5	8.2	6.6	-1.6
Gender:																	
Male	_	10.4	9.2	9.6	9.3	9.1	10.0	8.1	8.8	10.9	8.3	9.9	7.4	7.4	9.4	7.7	-1.7
Female	_	6.9	7.7	7.4	6.4	7.3	7.2	6.4	7.2	5.7	5.3	7.7	6.8	5.6	6.9	5.5	-1.4
College Plans:																	
None or under 4 years	_	12.6	14.7	10.6	13.3	14.4	12.8	10.2	11.7	11.7	12.5	15.0	12.4	9.6	11.7	11.6	-0.1
Complete 4 years	_	8.2	7.6	8.1	7.2	7.6	8.2	6.9	7.6	8.0	6.1	8.2	6.6	6.2	7.5	5.6	-1.9 s
Region:																	
Northeast	_	9.1	6.4	7.0	6.8	7.5	7.4	6.1	8.0	9.2	6.2	8.9	6.5	5.6	5.7	5.7	0.0
Midwest	_	8.0	7.9	8.6	8.9	9.9	10.3	9.0	6.7	9.1	7.8	8.5	6.3	5.4	11.2	6.8	-4.5 ss
South	_	10.2	10.8	9.3	8.7	9.7	9.9	8.8	10.5	9.2	8.6	10.3	9.0	8.0	8.2	5.9	-2.3 s
West	_	6.8	7.6	8.0	6.4	5.2	5.8	3.6	6.0	6.0	3.5	6.6	5.6	6.2	6.6	8.0	+1.5
Population Density:																	
Large MSA	_	7.5	7.5	6.8	6.7	8.5	8.1	6.4	6.9	8.2	5.8	8.6	6.1	6.1	7.1	3.6	-3.5 s
Other MSA	_	9.4	9.2	9.2	7.3	8.3	8.7	7.3	8.7	8.2	6.9	9.0	7.0	6.9	8.4	8.6	+0.2
Non-MSA	_	8.6	8.5	9.0	10.5	7.7	9.3	8.1	8.1	8.8	8.1	8.8	9.2	6.4	9.0	6.2	-2.8 s
Parental Education: ^a																	
1.0–2.0 (Low)	_	6.6	8.7	8.0	5.8	7.3	9.0	5.4	7.2	7.8	4.0	7.4	5.5	6.0	7.4	4.1	-3.3
2.5–3.0	_	8.6	9.0	8.8	8.2	7.9	10.6	8.3	9.6	8.5	5.2	8.0	7.1	6.8	7.5	5.9	-1.6
3.5–4.0	_	8.2	9.8	7.7	8.3	7.6	8.4	7.5	6.9	9.3	7.0	10.0	6.4	6.3	7.8	8.1	+0.2
4.5–5.0	_	8.7	7.4	8.8	7.6	8.5	7.9	7.0	8.4	8.5	6.8	7.6	6.8	7.2	9.7	7.2	-2.4
5.5-6.0 (High)	_	10.0	8.0	8.8	7.9	10.3	8.8	6.0	8.4	8.9	8.6	10.4	8.9	6.4	8.6	6.7	-1.9
Race/Ethnicity (2-year average): b																	
White	_	_	9.8	9.4	9.2	8.9	9.4	9.1	8.7	9.4	9.0	9.4	9.7	8.5	9.3	9.6	+0.3
African American	_	_	5.2	6.7	6.0	4.8	6.1	6.8	5.7	5.9	5.6	6.3	6.7	5.1	4.1	3.9	-0.2
Hispanic	_	_	5.6	5.4	4.8	5.3	5.9	5.1	5.9	5.0	3.7	4.5	4.5	4.6	5.5	4.4	-1.1

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data are based on one of four forms; N is one third of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

TABLE 165 STIMULANT-TYPE ADHD DRUGS:

							Percen	tage who	used in	lifetime							2018–
	1991- 2004	2005°	2006°	2007	2008	2009	<u>2010</u>	2011	2012	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	2017	<u>2018</u>	<u>2019</u>	2019 <u>change</u>
Approximate weighted N =	_	14,500	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	_	8.5	7.8	7.6	8.6	8.2	8.3	8.4	9.0	9.6	9.1	9.9	8.4	8.6	8.6	7.9	-0.7
Gender:																	
Male	_	12.0	10.2	10.1	10.3	8.7	9.8	10.3	10.5	10.9	9.7	9.6	9.8	10.1	10.3	9.6	-0.7
Female	_	5.3	5.4	4.9	7.0	6.5	6.3	6.4	7.4	7.9	8.0	8.7	6.2	6.7	6.2	6.2	-0.1
College Plans:																	
None or under 4 years	_	12.3	11.1	10.8	13.6	13.4	11.2	13.2	11.4	12.7	12.4	14.8	10.8	10.0	10.4	10.6	+0.2
Complete 4 years	_	7.8	7.0	6.9	7.5	7.2	7.6	7.4	8.4	8.8	8.1	9.1	7.6	7.9	7.7	7.1	-0.6
Region:																	
Northeast	_	8.8	9.8	7.8	9.5	7.4	7.7	8.3	8.0	6.7	7.4	7.5	7.5	9.7	8.3	4.5	-3.8 sss
Midwest	_	9.3	6.0	7.8	8.5	8.9	9.6	8.9	9.0	9.1	9.6	11.2	9.1	9.5	9.0	8.1	-0.9
South	_	9.2	9.5	8.5	8.4	10.3	9.1	9.2	10.3	10.8	11.3	12.9	9.4	9.1	9.0	9.3	+0.3
West	_	6.2	5.2	5.5	8.3	4.5	5.8	6.7	8.2	10.2	6.1	5.4	6.5	6.3	7.6	7.5	-0.1
Population Density:																	
Large MSA	_	7.1	8.7	8.5	10.2	7.1	7.2	7.5	9.8	10.6	8.1	9.2	8.8	7.6	8.4	6.2	-2.2 s
Other MSA	_	9.9	7.1	7.6	8.6	8.1	9.4	9.8	9.1	9.9	9.3	10.4	8.2	9.0	8.6	8.6	0.0
Non-MSA	_	7.5	7.8	6.3	6.9	9.7	7.0	6.4	7.7	7.6	9.7	9.8	8.3	9.4	8.9	9.1	+0.2
Parental Education: a																	
1.0–2.0 (Low)	_	7.7	7.0	5.8	5.4	7.5	8.5	6.9	5.9	10.4	8.6	8.3	6.6	5.9	3.2	6.6	+3.4 s
2.5–3.0	_	7.1	8.4	6.3	6.5	6.5	7.2	7.1	9.6	8.8	8.1	7.1	7.1	7.9	7.5	6.1	-1.4
3.5–4.0	_	9.0	6.2	7.6	10.3	8.1	8.8	7.8	8.7	9.2	8.5	10.3	7.5	7.7	9.1	7.3	-1.8
4.5–5.0	_	8.1	8.5	7.2	8.3	8.4	8.6	8.7	9.1	9.3	8.6	11.0	9.4	11.7	9.2	8.5	-0.6
5.5-6.0 (High)	_	11.3	8.7	11.2	10.2	11.1	8.2	10.7	11.1	12.4	12.2	11.0	11.2	7.8	11.9	8.7	-3.1
Race/Ethnicity (2-year average): b																	
White	_	_	9.1	8.5	9.2	9.9	9.5	9.6	10.4	10.7	10.5	11.0	11.1	10.3	10.8	9.8	-0.9
African American	_	_	5.4	4.6	4.6	5.5	6.5	6.2	6.5	6.8	7.1	7.9	7.5	7.6	7.9	8.1	+0.3
Hispanic	_	_	6.0	5.8	5.6	5.1	5.7	6.1	5.4	5.8	5.7	5.1	4.9	5.0	4.5	3.8	-0.7

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data are based on two of six forms; N is two sixths of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^cData from one of the questionnaire forms was omitted in 2005 due to an error in the skip pattern in the questionnaire. For the 2006 results by race/ethnicity, data from the remaining form in 2005 were double-weighted to account for the omission of the other form.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and

TABLE 166
STIMULANT-TYPE ADHD DRUGS:

						Perce	entage w	ho said '	'Yes, I ta	ke them r	now."						2018–
	1991-																2019
	<u>2004</u>	<u>2005</u>	2006	2007	2008	2009	2010	<u>2011</u>	2012	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>
Approximate weighted N =	_	14,500	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	_	3.9	3.5	3.1	3.5	3.7	3.4	3.3	3.5	3.4	3.2	3.6	3.7	3.4	3.7	2.8	-0.9
Gender:																	
Male	_	4.7	4.8	4.0	4.5	4.6	3.7	4.3	4.6	4.0	4.0	4.6	4.6	4.0	4.7	3.9	-0.8
Female	_	3.0	2.1	2.2	2.4	3.0	3.1	2.4	2.5	2.8	2.6	2.8	2.7	2.5	2.9	1.6	-1.3 s
College Plans:																	
None or under 4 years	_	4.9	6.0	3.9	3.6	3.0	5.0	2.3	4.1	5.5	2.6	5.9	6.3	3.0	5.9	3.5	-2.4
Complete 4 years	_	3.7	3.2	3.0	3.4	3.7	3.3	3.4	3.4	3.3	3.3	3.3	3.5	3.4	3.4	2.7	-0.7
Region:																	
Northeast	_	4.2	3.0	3.1	3.1	5.0	2.1	2.6	2.9	3.8	2.9	3.6	2.5	3.6	4.1	4.2	0.0
Midwest	_	4.4	3.1	3.3	2.7	2.7	3.8	4.0	4.1	3.6	3.8	4.1	4.6	4.0	3.9	2.6	-1.3
South	_	3.7	4.1	3.3	4.8	4.3	3.9	3.1	4.4	3.9	3.5	3.8	4.8	4.1	4.8	2.5	-2.3 ss
West	_	3.3	3.0	2.5	2.4	2.7	3.0	3.7	1.7	2.1	2.3	2.6	1.6	1.4	1.2	2.4	+1.2
Population Density:																	
Large MSA	_	3.7	2.5	2.7	3.8	4.0	3.0	3.2	3.0	3.4	2.5	3.2	2.5	3.5	3.3	2.2	-1.1
Other MSA	_	4.5	4.1	3.0	3.3	3.8	3.8	3.4	4.0	3.4	3.9	4.1	4.3	3.2	4.6	2.7	-1.9 s
Non-MSA	_	3.0	3.6	3.9	3.3	3.0	3.0	3.4	3.0	3.7	2.7	2.9	3.9	3.6	2.1	3.7	+1.6
Parental Education: a																	
1.0–2.0 (Low)	_	4.3	3.9	2.8	3.1	3.5	2.2	2.0	2.5	1.9	2.0	2.0	1.7	2.2	4.1	0.9	-3.2 s
2.5–3.0	_	3.2	3.7	3.1	2.2	3.2	2.8	3.0	3.6	2.6	2.8	3.1	2.8	3.1	1.5	3.0	+1.5
3.5–4.0	_	3.7	2.7	2.5	2.5	3.3	3.3	2.9	3.1	3.3	3.6	3.3	4.2	2.9	2.6	2.8	+0.2
4.5–5.0	_	3.9	2.9	3.2	4.2	3.6	3.3	3.9	3.6	4.0	3.8	4.0	3.9	4.1	5.5	3.5	-2.0
5.5–6.0 (High)	_	4.7	4.0	3.9	5.8	5.3	4.1	3.5	3.5	3.8	3.1	4.4	3.9	4.5	4.3	2.9	-1.3
Race/Ethnicity (2-year average): b																	
White	_	_	4.2	3.7	4.0	4.6	4.5	4.1	4.3	4.3	4.2	4.5	5.2	5.2	5.2	4.6	-0.6
African American	_	_	2.1	2.2	2.5	2.7	1.8	1.9	2.4	2.6	2.7	2.7	2.0	1.9	2.0	0.9	-1.1 s
Hispanic			2.5	1.9	1.3	1.5	1.7	2.0	1.7	1.3	1.4	1.6	1.6	1.0	0.9	1.6	+0.7 s

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data are based on one of four forms; N is one third of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

TABLE 167
STIMULANT-TYPE ADHD DRUGS:

						Perce	entage w	ho said "	Yes, I tal	ke them r	now."						2018–
	1991-																2019
	<u>2004</u>	2005 14.500	<u>2006</u>	2007 14.500	2008	2009 13.700	<u>2010</u>	<u>2011</u>	<u>2012</u>	2013 12.600	2014	2015 12.900	2016 11.800	<u>2017</u>	2018	2019	<u>change</u>
Approximate weighted N = Total	_	3.4	14,200 2.8	2.8	14,000 2.9	3.3	14,400 3.1	14,100 2.8	13,700 3.8	3.7	12,400 3.4	4.2	3.0	12,600 3.0	13,300 3.9	12,900 2.9	-1.0
Gender:	_	3.4	2.8	2.8	2.9	3.3	3.1	2.8	3.8	3.7	3.4	4.2	3.0	3.0	3.9	2.9	-1.0
Male		4.1	3.5	3.2	3.4	3.6	4.1	3.0	4.4	4.8	4.2	5.0	3.1	3.5	4.7	3.1	-1.6
Female	_	2.7	2.1	2.5	2.4	3.1	2.1	2.7	3.4	2.5	2.7	3.3	2.8	2.5	3.1	2.7	-0.5
College Plans:	_	2.1	2.1	2.5	2.4	3.1	2.1	2.1	3.4	2.5	2.1	3.3	2.0	2.5	3.1	2.1	-0.5
v		4.0	4.1	3.5	3.2	6.9	4.7	3.3	2.4	5.0	6.1	6.6	4.4	4.4	4.8	4.3	-0.5
None or under 4 years Complete 4 years	_	4.8 3.2	2.6	3.5 2.7	2.9	3.0	2.9	2.8	2.4 4.0	3.6	3.1	3.9	4.4 2.9	4.1 3.0	4.8 3.7	2.7	-0.5 -1.0
Region:	_	3.2	2.0	2.1	2.9	3.0	2.9	2.0	4.0	3.0	3.1	3.9	2.9	3.0	3.1	2.1	-1.0
Northeast	_	3.3	1.9	2.4	2.9	2.1	2.7	2.9	3.3	5.8	3.3	4.0	2.9	2.5	2.6	2.0	-0.6
Midwest	_	3.5	2.9	3.1	3.9	5.2	3.3	3.1	4.1	4.5	3.7	4.6	3.4	2.3	5.2	3.3	-0.0
South	_	4.2	3.4	3.5	2.9	4.1	3.6	3.5	5.3	3.3	4.3	5.0	3.7	4.1	4.5	2.4	-1.9 -2.1 s
West	_	2.0	2.5	2.0	2.9	1.4	2.5	1.4	1.8	2.0	2.0	2.4	1.8	2.7	2.4	3.9	+1.5
Population Density:	_	2.0	2.5	2.0	2.1	1.4	2.5	1.4	1.0	2.0	2.0	2.4	1.0	2.1	2.4	3.8	+1.5
Large MSA		2.9	2.5	2.2	3.2	3.4	3.3	3.2	3.4	4.6	3.7	4.0	2.6	2.8	3.8	1.6	-2.2 s
Other MSA	_	3.9	3.0	3.1	2.7	3.4	2.9	2.5	4.1	3.4	3.1	4.7	2.5	3.5	4.1	3.9	-2.2 s -0.2
Non-MSA	_	3.9	2.6	3.1	3.2	3.4	3.2	3.0	3.9	3.4	3.5	3.1	5.3	2.2	3.5	2.5	-0.2
Parental Education: ^a	_	3.1	2.0	3.1	3.2	3.4	3.2	3.0	3.8	3.3	3.5	3.1	5.5	2.2	3.5	2.5	-1.0
1.0–2.0 (Low)		2.6	3.6	1.8	1.7	1.5	1.4	1.8	1.9	1.4	1.1	0.9	1.0	1.7	2.3	1.5	-0.8
2.5–3.0		2.7	1.7	2.1	3.1	2.7	3.2	3.1	4.0	3.1	2.1	2.8	1.3	2.8	2.7	2.4	-0.3
3.5–4.0		3.7	3.4	3.1	2.3	2.9	3.5	1.8	4.3	3.2	3.1	4.4	2.5	3.3	3.1	2.9	-0.2
4.5–5.0		2.9	2.6	2.9	2.8	3.6	2.9	3.6	3.6	4.5	3.4	4.2	4.3	3.1	5.3	3.4	-1.9
5.5–6.0 (High)		5.1	3.1	3.3	4.2	5.5	4.6	3.4	4.1	6.1	6.2	6.0	3.9	3.7	5.5	4.3	-1.2
Race/Ethnicity (2-year average): ^b		5.1	0.1	0.0	4.2	0.0	4.0	0.4	7.1	0.1	0.2	0.0	0.9	5.7	0.0	4.0	-1.2
White	_	_	3.8	3.3	3.5	3.7	3.8	3.6	4.0	4.7	4.7	5.1	5.1	4.1	4.7	4.8	+0.1
African American	_	_	1.2	1.9	1.8	1.3	1.2	1.9	2.8	2.2	1.0	1.4	1.4	1.2	1.5	1.9	+0.4
Hispanic	_	_	1.3	1.3	1.1	1.6	1.6	1.3	1.7	1.4	0.9	1.0	0.9	1.5	2.1	1.1	-1.0 ss

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data are based on one of four forms; N is one third of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

TABLE 168 STIMULANT-TYPE ADHD DRUGS:

							Perce	entage w	ho said "	Yes, I ta	ke them r	now."						2018–
	•	1991-																2019
		<u>2004</u>	2005°	2006°	2007	2008	2009	2010	<u>2011</u>	2012	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>
	Approximate weighted N =	_	14,500	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900		12,600	13,300	12,900	
Total		_	2.9	2.3	2.6	2.9	2.9	3.0	3.3	3.8	4.4	3.8	4.0	3.9	3.4	3.5	3.2	-0.2
Gender:																		
Male		_	4.1	2.6	3.7	3.0	2.6	3.6	3.5	3.9	4.5	3.4	4.4	4.7	3.6	3.9	4.2	+0.3
Female		_	1.8	2.0	2.0	2.6	3.2	2.5	3.2	3.8	4.2	4.0	2.9	3.0	3.3	3.1	2.4	-0.7
College Plans:																		
None or under	4 years	_	5.3	2.4	3.6	3.3	1.8	3.9	3.9	3.4	5.1	3.4	4.0	2.9	2.9	3.3	3.2	0.0
Complete 4 ye	ears	_	2.5	2.3	2.4	2.9	3.0	2.9	3.2	3.8	4.2	3.8	4.0	3.8	3.7	3.3	3.3	0.0
Region:																		
Northeast		_	3.5	3.0	2.7	3.2	2.0	3.2	3.3	3.1	3.1	3.6	2.5	3.3	4.8	3.2	1.7	-1.5 s
Midwest		_	2.7	2.0	3.3	2.9	2.7	4.0	4.6	5.0	3.7	4.5	5.0	3.8	4.0	3.8	4.2	+0.4
South		_	2.7	2.6	2.8	2.8	4.3	3.3	3.2	3.7	5.4	4.8	5.2	4.1	3.1	3.8	3.3	-0.6
West		_	3.0	1.6	1.2	2.9	1.6	1.4	2.3	3.1	4.5	1.6	2.1	4.0	2.6	2.7	3.2	+0.4
Population Den	sity:																	
Large MSA		_	2.3	2.2	2.9	3.7	2.9	2.7	3.0	3.9	5.0	3.5	3.9	4.7	3.6	3.3	2.5	-0.8
Other MSA		_	3.5	2.4	2.4	2.9	2.7	3.5	4.5	4.5	4.9	3.9	4.2	4.1	3.5	3.4	3.6	+0.2
Non-MSA		_	2.3	2.3	2.4	2.1	3.1	2.3	1.2	2.0	2.3	3.9	3.3	2.1	3.1	3.9	3.7	-0.2
Parental Educa	tion: ^a																	
1.0-2.0 (Low)		_	2.2	1.0	1.4	1.9	1.3	2.6	2.8	2.5	3.7	1.9	2.0	2.7	1.0	1.0	0.8	-0.1
2.5-3.0		_	2.0	1.4	2.4	1.9	1.6	2.3	2.2	3.2	4.1	2.9	1.9	2.0	3.0	2.6	2.0	-0.5
3.5-4.0		_	2.9	2.1	2.4	2.8	2.8	3.2	3.6	3.2	3.9	2.8	3.1	3.4	2.5	3.4	3.2	-0.1
4.5-5.0		_	3.3	3.2	2.1	3.6	3.0	2.9	3.6	4.2	4.3	4.2	5.2	5.1	5.8	3.9	3.7	-0.2
5.5-6.0 (High)	l	_	3.8	3.0	4.3	3.8	5.9	4.7	4.8	6.5	6.9	8.0	6.9	5.2	4.4	6.9	4.9	-2.1
Race/Ethnicity	(2-year average): ^b																	
White		_		3.1	2.9	3.3	3.5	3.7	4.3	4.8	4.8	4.7	4.9	5.2	4.8	4.6	4.4	-0.2
African Americ	can	_		0.6	1.1	1.2	1.3	1.5	1.3	1.8	2.8	2.3	1.5	1.4	2.4	2.8	2.4	-0.4
Hispanic		_	_	1.1	0.9	1.2	1.6	1.8	1.7	1.5	1.7	2.0	1.4	1.4	2.1	1.6	1.1	-0.5

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the

number of subgroup cases. See appendix B for definition of variables in table. Data are based on two of six forms; N is two sixths of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and

thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^cData from one of the questionnaire forms was omitted in 2005 due to an error in the skip pattern in the questionnaire. For the 2006 results by race/ethnicity, data from the remaining form in 2005 were double-weighted to account for the omission of the other form.

TABLE 169
NON-STIMULANT-TYPE ADHD DRUGS:
Trends in Lifetime Prevalence of Legal Use by Subgroups in Grade 8

							Percen	tage who	used in	lifetime							2018–
	1991-																2019
A construction of a constitute of Al	<u>2004</u>	<u>2005</u>	2006	<u>2007</u>	2008	2009	<u>2010</u>	<u>2011</u>	2012	<u>2013</u>	2014	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>
Approximate weighted N =	_	14,500	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	.0.4
Total	_	7.3	7.9	6.3	6.3	5.8	5.8	6.1	5.1	5.1	4.8	5.1	5.7	4.9	4.4	4.5	+0.1
Gender:		7.0	0.7	0.7	0.0	0.5	0.0	0.7	5 0		0.4		0.7	5 0		5.0	.0.5
Male	_	7.6	8.7	6.7	6.8	6.5	6.6	6.7	5.2	5.7	6.1	5.7	6.7	5.3	5.1	5.6	+0.5
Female	_	7.0	6.8	5.9	5.7	5.1	4.9	5.4	4.9	4.4	3.6	4.6	4.8	4.2	3.6	3.5	-0.1
College Plans:																	
None or under 4 years	_	11.1	12.9	8.1	7.3	8.9	8.8	11.7	8.8	11.5	7.7	7.8	10.0	7.6	6.3	10.2	+3.9
Complete 4 years	_	6.9	7.4	6.0	6.2	5.5	5.4	5.7	4.9	4.6	4.6	4.8	5.3	4.6	4.2	3.8	-0.4
Region:																	
Northeast	_	7.4	6.0	4.3	5.1	6.1	4.6	5.0	4.2	4.7	5.6	5.2	7.1	4.7	5.5	4.8	-0.7
Midwest	_	6.9	8.8	7.6	6.7	5.3	6.2	5.5	5.5	3.8	4.7	4.8	5.4	5.3	4.4	4.1	-0.3
South	_	7.9	7.5	6.6	7.2	5.8	6.4	7.0	5.7	5.6	5.1	4.8	5.2	5.3	4.4	5.6	+1.2
West	_	6.5	9.3	5.3	5.3	6.0	5.0	6.2	4.1	6.0	4.0	5.9	5.8	3.9	3.5	3.0	-0.5
Population Density:																	
Large MSA	_	5.3	7.8	4.5	6.0	4.0	5.3	5.6	4.4	4.3	4.3	4.6	6.0	4.2	3.9	4.5	+0.6
Other MSA	_	8.0	7.8	7.7	6.7	6.8	6.6	6.7	4.7	5.3	5.4	4.9	5.3	5.7	4.7	5.0	+0.3
Non-MSA	_	8.6	8.4	5.9	5.9	5.8	4.4	5.7	6.9	5.9	4.3	6.2	6.0	4.0	4.4	3.3	-1.1
Parental Education: a																	
1.0–2.0 (Low)	_	8.7	8.1	4.5	7.0	7.7	7.1	9.1	8.0	5.4	3.4	6.2	4.6	3.6	4.2	4.1	-0.2
2.5–3.0	_	9.6	6.7	7.4	5.5	6.0	5.8	6.2	4.4	4.4	4.1	4.9	6.0	6.0	4.1	4.8	+0.7
3.5–4.0	_	8.1	10.1	6.5	6.4	5.5	5.4	7.1	5.9	6.4	5.9	4.7	5.3	4.6	5.8	4.7	-1.1
4.5–5.0	_	5.5	8.0	5.6	6.9	5.0	5.2	5.3	5.0	4.1	4.8	5.2	6.4	6.2	4.6	4.9	+0.4
5.5–6.0 (High)	_	6.6	5.4	6.6	6.3	7.1	5.9	5.4	4.6	5.5	5.1	4.7	6.2	3.4	3.7	4.1	+0.4
Race/Ethnicity (2-year average): b																	
White	_	_	7.7	7.6	7.3	6.7	5.8	5.6	5.5	5.0	5.2	5.6	6.6	6.4	5.0	4.7	-0.3
African American	_	_	6.0	5.0	4.3	4.8	4.9	5.6	4.8	4.0	4.1	3.6	3.7	4.9	5.2	4.6	-0.6
Hispanic			6.5	5.3	3.7	4.7	6.0	6.6	6.0	5.1	4.7	4.1	4.2	3.8	3.1	3.2	+0.1

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data are based on one of four forms; N is one third of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

TABLE 170
NON-STIMULANT-TYPE ADHD DRUGS:

								Percen	tage who	used in	lifetime							2018-
	•	1991-																2019
		2004	<u>2005</u>	<u>2006</u>	2007	2008	2009	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>
	Approximate weighted N =	_	14,500	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300		
Total		_	8.3	8.3	6.7	6.8	6.8	6.1	6.4	5.2	4.9	5.8	5.8	5.2	4.6	5.1	5.2	0.0
Gender:																		
Male		_	9.5	9.2	8.0	7.4	8.9	6.6	6.7	6.4	5.7	7.1	6.4	5.8	5.6	6.1	6.4	+0.4
Female		_	7.0	7.5	5.2	6.2	4.8	5.5	6.2	4.1	4.0	4.5	5.1	4.7	3.7	4.0	3.8	-0.1
College Plans:																		
None or unde	r 4 years	_	12.6	10.1	9.5	10.5	14.0	10.1	10.6	11.2	7.1	8.7	12.1	6.4	6.2	7.9	7.9	0.0
Complete 4 ye	ears	_	7.7	8.0	6.3	6.3	6.1	5.6	5.9	4.5	4.7	5.4	5.1	5.0	4.5	4.5	4.5	+0.1
Region:																		
Northeast		_	8.6	8.8	6.5	6.1	7.0	5.7	7.2	5.3	4.7	5.2	4.9	6.1	5.3	4.1	5.6	+1.6
Midwest		_	6.9	7.4	6.8	7.7	7.7	5.9	6.7	3.8	4.8	6.8	5.4	4.6	3.8	5.7	5.3	-0.4
South		_	10.6	9.6	7.2	8.2	7.2	7.0	6.6	6.1	5.0	6.1	6.9	5.5	4.4	5.6	3.9	-1.7
West		_	6.6	7.0	6.1	4.6	5.4	5.3	5.1	5.2	5.1	4.7	5.1	4.8	5.4	4.6	6.9	+2.3
Population Den	nsity:																	
Large MSA		_	6.0	7.2	6.1	4.3	6.2	6.1	5.1	5.3	5.5	5.0	5.4	5.0	4.5	4.2	4.1	-0.1
Other MSA		_	9.2	8.4	6.5	7.1	7.5	5.7	6.8	4.9	4.8	5.6	5.4	5.6	5.0	4.9	5.6	+0.7
Non-MSA		_	9.3	9.7	8.2	9.6	6.4	6.8	7.4	5.6	4.4	7.6	7.3	4.6	3.9	6.9	5.8	-1.1
Parental Educa	ation: ^a																	
1.0-2.0 (Low)		_	8.2	10.5	6.6	5.1	7.0	6.2	6.3	7.5	5.6	4.7	7.5	2.8	5.9	4.9	2.0	-2.8
2.5-3.0		_	8.7	7.6	6.0	8.3	6.9	6.5	7.7	4.3	4.3	5.7	5.3	4.9	2.2	4.2	5.4	+1.1
3.5-4.0		_	7.4	9.7	7.4	7.1	5.3	6.4	5.6	5.3	5.8	7.1	5.1	5.6	4.7	5.8	4.3	-1.5
4.5-5.0		_	9.1	7.4	6.3	7.4	7.2	5.5	5.9	5.9	4.4	4.5	6.1	5.5	5.2	4.3	5.9	+1.6
5.5-6.0 (High))	_	8.6	8.3	6.3	5.1	7.8	6.4	6.8	4.0	5.7	6.3	6.1	5.5	5.4	6.3	7.5	+1.2
Race/Ethnicity	(2-year average): b																	
White		_	_	9.4	8.3	7.4	7.4	6.9	6.8	6.2	5.4	5.9	6.3	5.9	5.1	5.7	6.6	+0.9
African Americ	can	_	_	4.7	5.0	4.2	4.6	6.1	4.9	3.2	4.0	5.3	5.1	4.3	5.0	3.6	2.0	-1.6 s
Hispanic		_	_	4.9	4.5	5.0	5.7	4.8	5.6	6.4	4.3	3.5	4.7	5.4	4.9	4.4	3.8	-0.7

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data are based on one of four forms; N is one third of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

TABLE 171
NON-STIMULANT-TYPE ADHD DRUGS:

Trends in <u>Lifetime</u> Prevalence of Legal Use by Subgroups in <u>Grade 12</u>

							Percen	tage who	used in	lifetime							2018-
	1991-																2019
	<u>2004</u>	2005°	2006°	<u>2007</u>	2008	2009	2010	<u>2011</u>	2012	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>
Approximate weighted N =	_	14,500	14,200	14,500	14,000	13,700	14,400	,	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	_	6.2	6.1	7.0	6.4	5.4	6.7	5.8	5.9	5.4	5.6	5.6	5.8	6.4	6.1	5.7	-0.4
Gender:																	
Male	_	7.0	6.1	8.3	7.0	6.5	7.7	6.4	5.8	7.1	6.0	6.1	6.8	7.6	6.4	6.2	-0.2
Female	_	5.0	5.7	5.6	6.5	4.0	5.6	5.2	5.6	3.8	4.8	5.1	4.8	5.3	4.7	4.8	+0.1
College Plans:																	
None or under 4 years	_	9.2	7.6	9.4	9.9	6.7	9.0	8.0	8.1	6.3	7.4	7.3	7.3	9.0	6.4	7.9	+1.5
Complete 4 years	_	5.3	5.8	6.4	5.5	5.0	6.1	5.2	5.4	4.9	5.0	5.4	5.4	5.7	5.9	5.0	-0.9
Region:																	
Northeast	_	6.0	5.9	7.6	8.0	5.1	4.9	5.4	6.5	5.5	6.5	5.8	6.8	7.7	6.6	4.0	-2.6 s
Midwest	_	5.8	5.5	7.1	6.8	6.1	8.4	5.0	6.3	5.6	6.9	6.4	6.7	7.2	6.5	6.6	+0.1
South	_	7.6	7.4	7.6	5.2	5.7	7.0	6.8	5.8	5.9	6.2	6.9	5.7	7.0	6.3	5.6	-0.7
West	_	4.5	4.4	5.1	6.7	4.4	5.7	5.6	5.3	4.3	3.0	2.8	4.6	4.2	5.0	6.1	+1.1
Population Density:																	
Large MSA	_	5.1	6.1	6.9	6.6	5.6	7.3	5.4	6.1	5.3	6.7	4.5	6.3	6.3	5.8	5.6	-0.2
Other MSA	_	7.9	6.2	7.3	6.3	5.0	6.2	6.3	6.2	4.7	5.5	6.2	5.4	6.8	6.5	5.4	-1.0
Non-MSA	_	3.8	5.8	6.3	6.4	6.2	7.2	5.5	4.9	7.0	4.6	6.2	6.2	5.8	5.8	6.3	+0.6
Parental Education: ^a																	
1.0–2.0 (Low)	_	5.2	4.3	5.5	6.6	6.0	5.1	4.9	5.8	4.7	6.2	5.0	5.7	6.0	3.8	8.3	+4.5 ss
2.5–3.0	_	4.1	6.2	5.7	6.4	3.4	6.1	4.5	4.8	5.2	4.5	5.4	3.8	7.7	4.1	4.7	+0.6
3.5–4.0	_	7.6	5.9	6.9	7.0	5.2	6.6	5.9	5.6	4.8	5.0	4.1	6.0	5.8	5.3	4.9	-0.4
4.5–5.0	_	6.8	6.4	8.1	4.7	6.5	7.9	6.5	6.1	6.2	5.7	6.5	6.4	6.3	8.1	5.2	-2.9 s
5.5–6.0 (High)	_	6.4	6.8	7.8	7.5	6.4	6.6	6.8	7.0	6.3	8.5	7.4	6.3	6.7	9.8	6.8	-3.0
Race/Ethnicity (2-year average): ^b																	
White	_	_	6.6	7.3	7.3	6.3	6.7	6.9	6.1	5.9	6.1	6.5	6.9	7.1	7.3	6.5	-0.9
African American	_	_	4.9	4.9	5.0	4.7	5.8	5.5	5.9	5.5	5.6	5.5	4.5	6.3	7.7	9.1	+1.5
Hispanic	_	_	4.2	4.0	4.7	4.5	4.5	5.2	5.1	4.3	3.7	3.8	3.9	4.4	3.3	2.6	-0.8

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data are based on two of six forms; N is two sixths of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^cData from one of the questionnaire forms was omitted in 2005 due to an error in the skip pattern in the questionnaire. For the 2006 results by race/ethnicity, data from the remaining form in 2005 were double-weighted to account for the omission of the other form.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and

TABLE 172
NON-STIMULANT-TYPE ADHD DRUGS:

						Perce	entage w	ho said '	'Yes, I tal	ke them r	now."						2018-
	1991-																2019
A construction of a constitute of Al	<u>2004</u>	<u>2005</u>	2006	<u>2007</u>	2008	2009	<u>2010</u>	<u>2011</u>	2012	<u>2013</u>	2014	<u>2015</u>	<u>2016</u>	<u>2017</u>	2018	<u>2019</u>	<u>change</u>
Approximate weighted N =	_	14,500	14,200	14,500	14,000	13,700	14,400		13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	.00
Total	_	2.2	1.9	1.4	1.6	1.2	1.4	1.5	1.2	1.4	1.2	1.2	2.0	1.1	1.2	1.4	+0.2
Gender:		0.4	0.0	4.0	4 =	4.0	4.5	4.0		4.0		4.0	0.0		4.0	0.0	.0.5
Male	_	2.4	2.3	1.6	1.7	1.2	1.5	1.9	1.1	1.6	2.0	1.2	2.0	1.1	1.6	2.0	+0.5
Female	_	1.9	1.5	1.3	1.5	1.1	1.3	0.9	1.1	1.0	0.6	1.0	1.8	1.0	0.9	0.9	0.0
College Plans:																	
None or under 4 years	_	2.5	3.8	1.3	3.1	1.6	2.1	3.9	1.6	4.2	1.1	3.4	4.0	2.8	3.5	2.8	-0.8
Complete 4 years	_	2.1	1.7	1.4	1.5	1.1	1.3	1.2	1.2	1.2	1.3	0.9	1.6	1.0	0.9	1.3	+0.3
Region:																	
Northeast	_	2.4	2.5	1.1	1.8	1.0	1.1	1.1	1.5	1.3	0.6	8.0	1.8	1.3	1.4	1.0	-0.4
Midwest	_	2.0	2.7	1.9	1.7	0.7	1.8	1.7	1.3	0.7	1.5	1.6	1.4	1.2	1.0	1.2	+0.2
South	_	2.2	1.6	1.5	1.8	1.3	1.4	1.4	1.2	1.8	1.3	1.1	2.4	1.3	1.6	1.6	0.0
West	_	2.0	1.3	8.0	1.2	1.5	1.0	1.4	1.0	1.7	1.2	1.2	1.9	0.6	0.6	1.5	+0.9
Population Density:																	
Large MSA	_	1.4	1.7	0.9	1.9	1.0	1.2	1.3	1.3	1.4	1.1	0.6	2.2	1.2	1.0	0.9	-0.1
Other MSA	_	2.3	2.1	1.9	1.5	1.4	1.6	1.7	1.2	1.5	1.4	1.2	1.8	1.0	1.3	1.5	+0.2
Non-MSA	_	2.9	1.9	1.1	1.6	0.9	1.1	1.2	0.9	1.2	1.0	1.9	2.0	1.1	1.3	2.0	+0.7
Parental Education: a																	
1.0–2.0 (Low)	_	2.8	1.2	1.2	1.3	2.1	1.1	1.7	0.4	0.7	0.9	2.4	0.7	0.7	0.4	1.6	+1.2
2.5–3.0	_	2.4	1.4	1.1	0.9	0.5	0.7	1.4	0.8	1.0	0.5	1.1	1.9	1.1	0.7	0.8	+0.1
3.5–4.0		2.3	2.8	0.9	1.9	0.4	1.2	1.7	1.0	1.9	2.4	8.0	1.4	1.2	1.6	2.0	+0.4
4.5–5.0		1.8	1.8	1.8	1.6	1.9	1.6	1.3	2.0	1.3	1.2	1.3	1.7	1.7	2.1	1.3	-0.8
5.5–6.0 (High)	_	2.3	1.5	2.2	2.3	1.2	1.6	1.4	1.4	2.0	0.9	0.3	3.3	0.7	0.5	1.8	+1.3 s
Race/Ethnicity (2-year average): b																	
White	_	_	2.3	2.0	1.9	1.6	1.4	1.6	1.5	1.2	1.2	1.4	1.9	1.9	1.5	1.6	+0.2
African American	_	_	1.3	0.9	0.9	1.1	1.5	1.5	1.0	1.4	1.3	0.7	1.0	1.7	1.7	0.9	-0.7
Hispanic			1.0	0.8	0.7	0.6	0.5	1.0	1.0	0.9	1.2	0.8	1.1	1.2	0.5	0.5	0.0

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data are based on one of four forms; N is one third of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

TABLE 173
NON-STIMULANT-TYPE ADHD DRUGS:

						Perce	entage w	ho said "	Yes, I ta	ke them r	now."						2018-
	1991-																2019
	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	2008	2009	<u>2010</u>	<u>2011</u>	2012	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>
Approximate weighted N =	_	14,500	14,200	14,500	14,000	13,700	14,400		13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	_	2.3	2.3	1.6	1.7	1.9	1.6	1.3	1.3	1.3	1.4	1.7	1.2	1.0	1.4	1.8	+0.3
Gender:																	
Male	_	2.6	2.7	1.8	1.9	2.2	2.1	1.3	1.6	1.2	1.9	1.8	1.4	0.9	1.3	1.9	+0.6
Female	_	1.9	2.0	1.4	1.4	1.5	1.2	1.3	0.9	1.2	1.0	1.6	1.0	1.0	1.4	1.6	+0.2
College Plans:																	
None or under 4 years		4.4	2.6	2.5	1.8	4.4	3.5	2.8	2.3	2.5	1.0	3.2	1.8	1.5	1.7	2.1	+0.5
Complete 4 years	_	2.0	2.2	1.4	1.6	1.7	1.4	1.0	1.2	1.2	1.4	1.6	1.1	0.9	1.2	1.7	+0.5
Region:																	
Northeast	_	3.1	2.6	1.6	1.6	2.9	1.4	1.0	1.4	2.0	1.2	1.6	1.2	1.2	1.2	2.0	+0.8
Midwest	_	2.2	2.2	2.3	2.6	2.5	1.2	1.3	0.7	1.1	1.7	2.4	1.3	1.4	1.5	1.6	+0.1
South	_	2.2	2.5	1.4	1.9	1.4	2.4	1.3	1.7	1.1	1.9	1.5	1.2	0.7	1.6	1.1	-0.5
West	_	1.8	2.0	1.0	0.7	1.2	1.1	1.4	1.1	1.3	0.5	1.4	1.1	1.0	1.3	2.9	+1.6
Population Density:																	
Large MSA	_	1.5	1.9	1.5	0.9	2.3	2.1	1.2	1.3	1.5	1.2	1.6	1.1	0.9	1.3	1.4	0.0
Other MSA	_	2.7	2.7	1.6	1.9	2.0	1.2	1.0	1.3	1.5	1.5	1.7	1.3	1.1	1.4	2.1	+0.8
Non-MSA	_	2.3	2.2	1.7	2.2	1.2	1.8	1.9	1.2	8.0	1.6	2.0	1.3	1.1	1.8	1.5	-0.3
Parental Education: ^a																	
1.0–2.0 (Low)	_	1.4	3.2	2.5	1.2	1.3	1.5	1.5	0.5	1.4	0.7	0.3	1.0	1.8	1.2	0.7	-0.5
2.5–3.0	_	1.6	1.5	0.6	1.8	1.9	1.6	1.4	1.0	8.0	0.6	1.1	8.0	0.3	1.1	1.9	+0.9
3.5-4.0		2.5	2.5	1.5	1.4	1.0	2.0	1.2	0.9	2.2	2.0	1.6	8.0	1.3	1.2	1.0	-0.1
4.5–5.0	_	2.9	2.6	1.7	2.2	2.7	1.4	1.3	1.8	0.9	1.5	2.2	1.3	0.7	1.4	1.8	+0.4
5.5–6.0 (High)	_	2.2	2.5	2.0	1.6	2.8	1.6	1.0	1.9	1.4	1.4	2.3	1.9	1.3	2.1	3.2	+1.1
Race/Ethnicity (2-year average): b																	
White	_	_	2.6	2.3	1.9	2.0	2.0	1.6	1.3	1.3	1.5	2.1	2.0	1.3	1.4	2.0	+0.6 s
African American	_	_	1.7	1.2	0.7	0.7	1.0	1.0	0.8	1.6	1.7	0.9	0.5	0.6	0.7	0.5	-0.2
Hispanic	_	_	1.3	0.8	1.1	1.6	1.1	1.0	1.3	0.7	0.2	0.5	0.4	0.5	0.7	1.1	+0.3

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data are based on one of four forms; N is one third of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

TABLE 174
NON-STIMULANT-TYPE ADHD DRUGS:

							Perce	entage w	ho said "	Yes, I tal	ke them i	now."						2018-
	•	1991-																2019
		2004	2005°	2006°	2007	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>
	Approximate weighted N =	_	14,500	14,200	14,500	14,000	13,700	14,400		13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total		_	1.6	1.6	1.7	1.9	1.5	2.3	1.9	1.8	1.8	2.2	1.5	2.1	2.5	2.6	2.3	-0.3
Gender:																		
Male		_	1.3	1.4	1.3	1.1	1.5	2.3	1.7	1.6	2.4	2.2	1.8	2.5	2.5	2.3	2.7	+0.4
Female		_	1.6	1.8	1.6	2.2	1.6	2.3	1.9	2.0	1.3	2.2	1.0	1.6	2.3	2.1	2.0	-0.1
College Plan	S:																	
None or und	der 4 years	_	2.9	8.0	2.5	2.2	1.5	3.2	3.3	2.7	1.7	3.6	2.0	1.7	3.3	3.3	3.0	-0.3
Complete 4	years	_	1.2	1.7	1.6	1.9	1.5	2.1	1.5	1.6	1.6	1.9	1.4	2.0	2.3	2.4	2.2	-0.1
Region:																		
Northeast		_	2.5	1.5	2.4	3.9	1.1	1.9	2.8	1.5	2.2	2.2	1.5	3.2	2.1	2.6	1.4	-1.2
Midwest		_	1.6	1.5	1.7	2.0	1.9	2.8	1.5	2.5	1.6	2.7	1.8	2.4	3.1	2.8	2.9	+0.1
South		_	1.5	1.9	1.9	1.1	1.9	2.4	2.3	1.4	2.1	2.3	1.7	1.9	2.7	2.5	1.9	-0.6
West		_	8.0	1.1	8.0	1.8	0.7	1.9	1.1	1.8	1.3	1.8	8.0	1.3	1.8	2.6	3.5	+0.9
Population D	ensity:																	
Large MSA		_	1.4	1.9	1.7	2.4	1.8	1.7	1.9	1.8	2.6	2.4	1.2	1.9	2.5	3.0	2.1	-0.9
Other MSA		_	1.9	1.3	2.1	1.7	1.2	2.5	2.0	2.1	1.3	2.5	1.6	2.4	3.0	2.2	2.4	+0.1
Non-MSA		_	1.0	1.5	1.1	1.9	1.7	2.7	1.6	1.1	1.9	1.5	1.6	1.7	1.4	2.7	2.5	-0.2
Parental Edu	cation: a																	
1.0-2.0 (Lo	w)	_	0.3	2.2	1.0	2.2	1.3	3.3	1.8	2.3	2.2	3.8	1.6	2.2	2.1	1.6	3.4	+1.8
2.5-3.0		_	1.5	0.9	1.5	1.9	0.9	2.2	1.6	1.6	1.8	1.7	0.9	1.8	3.4	1.3	1.8	+0.5
3.5-4.0		_	2.4	1.3	1.9	1.8	1.4	2.4	1.6	1.8	1.3	1.7	0.9	2.0	2.3	2.5	2.1	-0.4
4.5-5.0		_	1.7	1.6	1.6	1.5	2.1	2.3	2.2	1.6	1.7	2.4	1.5	1.7	2.5	3.3	2.1	-1.2
5.5–6.0 (Hig	gh)	_	0.9	2.8	2.3	2.7	1.2	1.8	1.6	2.1	2.8	2.8	2.6	2.5	2.5	3.9	2.8	-1.0
Race/Ethnicit	ty (2-year average): ^b																	
White		_		1.7	1.7	1.9	1.7	2.1	2.4	1.9	1.7	2.0	2.1	2.2	2.7	3.0	2.8	-0.2
African Ame	erican	_		2.0	1.8	2.0	1.5	1.5	1.9	1.9	1.8	2.4	2.0	1.1	1.7	2.5	3.0	+0.5
Hispanic		_	_	1.2	1.3	1.2	1.4	1.7	1.1	1.4	2.0	1.8	1.1	0.9	1.8	1.2	0.7	-0.5

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data are based on two of six forms; N is two sixths of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^cData from one of the questionnaire forms was omitted in 2005 due to an error in the skip pattern in the questionnaire. For the 2006 results by race/ethnicity, data from the remaining form in 2005 were double-weighted to account for the omission of the other form.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and

TABLE 175
EITHER STIMULANT-TYPE OR NON-STIMULANT-TYPE ADHD DRUGS:

							Percen	tage who	used in	lifetime							2018–
	1991-																2019
Approximate weighted N =	<u>2004</u>	2005	2006 14 200	2007 14.500	2008 14.000	2009 13,700	2010 14.400	2011 14,100	2012	2013	2014 12.400	2015	2016 11.800	<u>2017</u>	2018	2019 12.900	<u>change</u>
Approximate weighted N = Total	_	14,500 13.7	14,200 15.8	13.4	13.1	12.8	12.8	12.4	13,700 11.6	<i>12,600</i> 11.5	12,400 11.2	12,900 11.4	12.1	12,600 10.9	13,300 11.0	9.8	-1.2
	_	13.7	15.8	13.4	13.1	12.8	12.8	12.4	11.6	11.5	11.2	11.4	12.1	10.9	11.0	9.8	-1.2
Gender: Male		14.9	18.0	14.8	14.7	14.5	14.5	13.7	13.3	13.6	12.7	12.8	14.2	12.5	13.1	11.9	-1.2
Female		12.4	13.2	12.1	11.5	11.4	11.3	10.9	10.0	9.4	9.9	10.2	10.0	8.6	9.2	7.5	-1.2
College Plans:		12.4	13.2	12.1	11.5	11.4	11.3	10.9	10.0	9.4	9.9	10.2	10.0	0.0	9.2	7.5	-1.7
None or under 4 years		20.6	24.2	17.9	17.1	15.8	17.2	18.8	16.7	21.5	17.2	14.2	20.6	15.7	16.5	17.0	+0.5
Complete 4 years		12.9	14.9	12.9	12.7	12.6	12.4	11.9	11.3	10.8	10.8	11.1	11.4	10.3	10.3	8.9	-1.3
Region:		12.5	14.5	12.3	12.7	12.0	12.4	11.5	11.5	10.0	10.0	11.1	11.4	10.5	10.2	0.9	-1.5
Northeast	_	12.9	12.0	10.6	13.7	14.3	9.9	11.0	9.7	11.0	11.5	10.1	11.6	10.2	12.5	10.2	-2.3
Midwest	_	14.2	15.3	14.7	12.5	11.6	13.8	12.0	11.4	10.0	11.0	11.8	12.3	12.4	10.6	8.8	-1.8
South	_	15.1	16.5	14.7	15.0	14.2	14.1	13.2	13.9	13.6	11.8	13.0	13.4	12.2	13.1	10.9	-2.1
West	_	11.3	17.8	11.3	10.8	11.0	11.6	12.7	8.9	10.0	10.1	9.0	9.6	7.7	6.6	8.5	+1.9
Population Density:																	
Large MSA	_	11.4	14.1	11.1	12.3	10.1	11.3	11.9	10.6	10.1	9.8	10.3	11.0	10.8	9.9	9.7	-0.2
Other MSA	_	15.7	16.2	14.7	14.3	14.2	14.3	13.2	11.7	11.4	12.5	11.5	12.6	11.1	12.8	9.8	-3.0
Non-MSA	_	13.1	17.6	13.9	11.6	13.2	11.4	11.7	13.1	13.7	10.3	12.6	12.3	10.4	8.7	9.9	+1.2
Parental Education: a																	
1.0–2.0 (Low)	_	18.8	17.8	12.6	17.5	17.0	13.9	15.3	12.5	8.6	7.8	12.7	10.9	7.4	11.5	8.7	-2.8
2.5–3.0	_	14.3	16.3	15.6	11.9	12.9	13.9	13.0	12.4	9.4	10.6	11.1	14.2	12.3	9.3	11.6	+2.3
3.5–4.0	_	15.7	16.2	14.2	12.6	12.6	11.7	14.0	12.1	13.4	11.5	11.4	10.9	9.8	11.4	10.0	-1.4
4.5–5.0	_	11.3	15.5	11.7	13.3	12.0	12.5	11.3	12.0	11.5	11.9	12.2	12.6	12.0	12.9	10.2	-2.7
5.5–6.0 (High)	_	13.0	13.4	13.5	14.8	13.7	13.7	11.5	9.6	11.8	11.1	10.8	11.7	11.5	10.7	7.9	-2.7
Race/Ethnicity (2-year average): ^b																	
White	_	_	15.2	15.7	15.0	14.4	13.8	13.1	12.7	12.3	12.7	13.4	14.4	13.9	12.8	12.3	-0.6
African American	_	_	11.0	9.5	9.8	11.3	11.5	10.3	9.4	10.1	9.6	8.8	9.2	10.9	11.2	8.0	-3.2 ss
Hispanic		_	12.4	11.7	9.7	10.4	11.2	12.2	10.7	8.2	8.5	8.2	8.2	7.4	6.7	7.1	+0.4

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data are based on one of four forms; N is one third of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

TABLE 176
EITHER STIMULANT-TYPE OR NON-STIMULANT-TYPE ADHD DRUGS:

							Percen	tage who	used in	lifetime							2018–
	1991-																2019
Annua vimanta vva imbta d N —	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	2009	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	2014	<u>2015</u>	<u>2016</u>	2017	<u>2018</u>	2019	<u>change</u>
Approximate weighted N = Total	_	<i>14,500</i> 14.3	14,200 14.2	14,500 12.9	14,000 12.8	13,700 13.0	14,400 12.7	14,100 12.0	13,700	<i>12,600</i> 11.7	12,400 11.3	<i>12,900</i> 13.1	11,800 11.5	<i>12,600</i> 10.1	13,300 12.1	12,900 9.8	-2.3 s
	_	14.3	14.2	12.9	12.8	13.0	12.7	12.0	12.0	11.7	11.3	13.1	11.5	10.1	12.1	9.8	-2.3 S
Gender: Male		16.5	15.2	15.1	14.8	15.5	14.1	13.2	13.8	14.6	13.8	14.9	12.4	11.8	14.5	12.0	-2.5
Female	_	12.0	12.9	10.8	10.9	10.5	11.3	11.0	10.3	8.7	8.8	11.3	10.5	8.4	9.6	7.7	-2.5 -1.9
College Plans:		12.0	12.9	10.0	10.9	10.5	11.3	11.0	10.3	0.7	0.0	11.3	10.5	0.4	9.0	1.1	-1.9
None or under 4 years	_	19.2	20.9	16.6	20.1	20.9	19.3	16.7	17.7	15.9	19.6	21.9	16.4	14.1	17.2	15.6	-1.6
Complete 4 years		13.6	13.2	12.4	11.8	12.2	11.9	11.5	11.4	11.2	10.3	12.2	10.4	9.6	11.1	8.6	-1.0 -2.5 s
Region:	_	13.0	10.2	12.4	11.0	12.2	11.5	11.5	11.4	11.2	10.5	12.2	10.9	3.0	11.1	0.0	-2.0 3
Northeast	_	14.3	11.8	12.2	11.4	11.5	11.8	12.0	12.2	12.5	10.2	13.0	11.4	9.1	8.9	9.0	+0.1
Midwest	_	12.8	12.9	13.7	14.5	14.2	13.3	13.6	9.6	12.4	13.4	12.5	10.0	7.9	15.7	10.8	-4.9 s
South		17.6	17.8	13.2	14.2	15.2	14.7	13.5	15.3	12.4	13.2	15.0	13.6	11.5	12.8	8.3	-4.5 sss
West	_	11.3	12.0	12.3	10.2	10.0	9.5	7.9	9.8	9.6	7.0	10.7	9.7	10.8	9.4	12.0	+2.6
Population Density:																	
Large MSA	_	12.0	12.3	11.2	10.3	12.8	11.7	10.8	11.4	11.8	9.6	12.6	10.4	9.0	10.4	6.6	-3.8 s
Other MSA	_	15.5	15.1	13.7	12.3	13.6	12.9	12.0	12.1	11.5	11.2	12.7	11.7	10.8	12.3	11.6	-0.7
Non-MSA	_	14.7	14.7	13.9	17.4	12.0	13.6	13.6	12.6	12.0	14.4	14.8	12.6	9.7	14.1	10.5	-3.6 s
Parental Education: a																	
1.0–2.0 (Low)	_	11.9	16.0	11.5	9.6	12.7	12.6	11.0	12.3	11.4	7.2	12.7	7.8	10.7	10.9	5.5	-5.4 s
2.5–3.0	_	15.0	14.6	12.6	14.0	12.3	14.5	14.4	12.5	11.6	9.8	12.1	11.1	8.3	10.8	8.6	-2.2
3.5–4.0	_	12.9	16.1	12.8	14.0	11.1	12.6	11.5	11.2	12.8	12.5	13.7	10.8	10.2	12.0	11.4	-0.6
4.5–5.0	_	14.8	12.2	13.5	13.2	13.5	11.8	11.2	13.0	11.8	10.5	12.0	11.8	10.9	13.3	10.2	-3.1
5.5–6.0 (High)	_	15.9	13.5	12.6	10.7	15.6	13.5	11.1	11.6	12.3	13.3	15.1	13.0	10.4	13.6	11.9	-1.8
Race/Ethnicity (2-year average): b																	
White	_	_	16.0	15.0	14.3	14.1	13.9	13.7	13.2	13.3	13.4	14.1	14.1	12.4	13.7	14.1	+0.5
African American	_	_	8.8	10.4	9.1	8.4	10.5	9.9	8.3	9.2	9.3	9.7	10.0	9.3	7.4	5.9	-1.5
Hispanic			8.7	8.5	8.6	9.8	9.6	9.3	10.5	7.4	5.9	8.0	8.8	8.7	8.4	7.1	-1.3

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data are based on one of four forms; N is one third of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

TABLE 177
EITHER STIMULANT-TYPE OR NON-STIMULANT-TYPE ADHD DRUGS:

							Percen	tage who	used in	lifetime							2018–
	1991-																2019
Approximate weighted N =	<u>2004</u> —	2005° 14,500	2006° 14,200	2007 14.500	2008 14.000	2009 13,700	2010 14.400	2011 14,100	2012 13,700	2013 12,600	2014 12,400	2015 12,900	2016 11.800	2017 12,600	2018 13,300	2019 12.900	<u>change</u>
Total		12.4	11.7	12.1	13.1	11.0	12.7	12.2	12.7	13.2	12,400	13.7	12.7	13.0	12.7	11.1	-1.6
Gender:		12.4	11.7	12.1	10.1	11.0	12.7	12.2	12.1	10.2	12.0	10.7	12.7	10.0	12.7	11.1	-1.0
Male	_	15.8	13.2	15.7	14.6	13.0	14.7	14.3	14.4	15.5	13.5	13.4	14.5	15.3	14.6	13.0	-1.7
Female	_	8.8	9.6	8.6	11.5	9.1	10.1	9.9	10.8	10.6	11.0	12.6	10.2	10.2	9.7	8.8	-0.9
College Plans:		0.0	0.0	0.0	11.0	0.1	10.1	0.0	10.0	10.0	11.0	12.0	10.2	10.2	0.1	0.0	0.0
None or under 4 years	_	16.7	16.3	15.7	18.8	17.3	16.1	17.4	16.6	16.3	16.9	18.9	15.5	15.1	14.8	14.4	-0.4
Complete 4 years	_	11.3	10.6	11.2	11.2	10.6	11.8	11.0	11.8	12.2	11.4	13.0	11.6	12.1	11.8	10.1	-1.7
Region:																	
Northeast	_	13.1	13.8	12.2	14.2	11.2	11.1	12.0	13.1	10.5	12.0	11.5	13.1	15.4	12.5	7.9	-4.6 ss
Midwest	_	12.7	9.7	12.5	12.0	12.9	14.7	12.3	12.9	12.5	13.7	15.5	13.4	14.1	13.3	12.4	-0.9
South	_	13.9	14.0	13.3	12.3	14.0	13.6	13.0	13.0	14.8	14.7	17.3	13.7	13.7	12.9	12.1	-0.9
West	_	8.6	8.1	9.2	12.5	7.2	10.3	10.9	12.0	13.2	8.5	7.9	9.7	9.4	11.8	10.0	-1.8
Population Density:																	
Large MSA	_	10.4	12.6	12.4	14.5	10.9	12.4	10.6	13.4	13.9	12.3	12.4	13.6	12.0	12.2	10.0	-2.2
Other MSA	_	14.6	11.1	12.6	12.5	11.2	13.3	14.1	13.2	13.3	12.6	14.5	12.0	13.4	13.0	11.3	-1.6
Non-MSA	_	9.9	11.6	10.5	10.6	14.2	11.8	9.8	10.5	11.8	12.9	14.0	12.9	13.5	12.9	12.4	-0.5
Parental Education: a																	
1.0–2.0 (Low)	_	10.1	10.3	9.5	10.7	11.1	11.5	10.4	9.7	13.1	12.1	11.1	11.9	10.2	6.3	11.0	+4.7 s
2.5–3.0	_	10.0	12.5	10.8	10.1	8.9	10.5	10.0	12.5	12.2	11.6	11.5	9.6	13.4	10.5	8.9	-1.6
3.5–4.0	_	13.6	10.4	12.2	14.4	11.8	13.1	11.7	12.5	12.4	11.4	13.2	11.9	11.4	12.4	10.4	-1.9
4.5–5.0	_	12.1	12.3	12.2	11.2	12.8	14.4	13.0	12.8	13.4	12.5	15.4	13.8	15.7	14.7	11.3	-3.4
5.5–6.0 (High)	_	15.3	12.2	15.2	15.2	14.9	13.4	14.9	14.8	17.0	17.5	16.0	15.8	13.7	19.0	12.9	-6.1 s
Race/Ethnicity (2-year average): b																	
White	_	_	13.0	13.1	13.6	13.8	14.0	14.4	14.5	14.5	14.3	15.3	15.8	15.3	15.8	14.0	-1.8 s
African American	_	_	8.3	8.0	8.0	8.8	10.4	9.7	9.7	10.1	10.6	11.1	11.0	11.7	11.7	13.0	+1.3
Hispanic	_		9.0	8.7	8.9	8.0	8.1	8.9	8.2	8.4	8.4	8.1	8.0	8.4	7.2	5.8	-1.4

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data are based on two of six forms; N is two sixths of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^cData from one of the questionnaire forms was omitted in 2005 due to an error in the skip pattern in the questionnaire. For the 2006 results by race/ethnicity, data from the remaining form in 2005 were double-weighted to account for the omission of the other form.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and

TABLE 178
EITHER STIMULANT-TYPE OR NON-STIMULANT-TYPE ADHD DRUGS:

													2018-				
	1991-																2019
	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	2008	2009	2010	<u>2011</u>	2012	2013	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>
Approximate weighted N =	_	14,500	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	_	6.1	5.2	4.5	5.1	4.9	4.7	4.9	4.7	5.0	4.6	4.9	5.6	4.7	5.2	3.8	-1.4 s
Gender:																	
Male	_	7.1	6.9	5.6	6.3	5.9	5.0	6.3	5.8	5.7	6.1	5.9	6.6	5.6	6.8	5.0	-1.8
Female	_	5.0	3.3	3.3	3.9	4.1	4.4	3.5	3.6	4.0	3.4	4.0	4.5	3.6	4.0	2.6	-1.4
College Plans:																	
None or under 4 years	_	7.1	8.6	5.3	6.9	4.6	6.5	6.3	5.5	9.0	3.7	9.0	9.6	6.3	9.8	5.3	-4.5
Complete 4 years	_	5.9	4.8	4.4	4.9	4.9	4.5	4.8	4.7	4.7	4.8	4.5	5.2	4.5	4.6	3.6	-1.0
Region:																	
Northeast	_	6.2	5.0	4.1	4.8	6.1	3.5	4.1	4.4	5.0	3.7	4.5	4.4	4.8	5.9	5.1	-0.9
Midwest	_	6.9	5.2	5.5	4.8	3.6	5.3	5.8	5.3	4.7	5.3	5.9	6.2	5.6	5.1	3.6	-1.5
South	_	5.9	5.7	4.6	6.5	5.7	5.3	4.7	5.6	5.9	5.1	5.1	6.7	5.6	6.9	3.5	-3.4 ss
West	_	5.6	4.4	3.5	3.6	4.2	3.8	5.0	2.8	3.8	3.7	3.6	3.7	2.3	2.0	3.5	+1.4
Population Density:																	
Large MSA	_	5.5	4.1	3.9	5.4	4.9	4.1	4.9	4.7	5.0	3.9	4.1	4.9	5.0	4.6	2.9	-1.7
Other MSA	_	6.7	5.8	4.7	5.1	5.3	5.4	5.2	5.2	5.0	5.4	5.6	6.0	4.4	6.5	3.9	-2.6 s
Non-MSA	_	5.7	5.6	5.0	4.6	4.1	3.9	4.4	3.8	5.0	3.9	4.5	5.6	5.1	3.4	4.8	+1.4
Parental Education: ^a																	
1.0–2.0 (Low)	_	7.0	4.5	3.7	4.9	4.7	3.3	3.7	2.9	2.9	2.9	4.4	2.7	3.0	4.9	2.1	-2.8
2.5–3.0	_	5.3	5.0	4.5	3.0	3.9	3.6	4.5	4.3	3.8	3.4	4.0	5.0	4.7	2.3	4.0	+1.6
3.5–4.0	_	6.1	5.3	3.4	4.4	4.1	4.3	4.7	4.2	5.1	5.8	4.4	5.4	4.1	4.5	4.1	-0.4
4.5–5.0	_	5.9	4.5	4.7	5.8	5.6	4.7	5.2	5.8	5.3	5.5	5.7	5.9	5.7	8.2	4.3	-3.9 ss
5.5-6.0 (High)	_	7.1	5.3	6.2	8.4	6.2	6.1	5.3	4.5	6.1	4.3	5.3	6.5	5.7	5.4	4.0	-1.4
Race/Ethnicity (2-year average): b																	
White	_	_	6.4	5.5	5.9	6.3	5.9	5.8	6.0	5.8	5.7	6.3	7.5	7.3	7.0	6.2	-0.8
African American	_	_	3.3	3.2	3.5	3.8	3.2	3.1	3.1	4.0	4.2	3.5	3.1	3.8	3.9	1.9	-2.0 ss
Hispanic	_	_	3.4	2.7	2.2	2.3	2.4	3.0	2.7	2.2	2.7	2.6	2.5	2.1	1.6	2.3	+0.7

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data are based on one of four forms; N is one third of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

TABLE 179
EITHER STIMULANT-TYPE OR NON-STIMULANT-TYPE ADHD DRUGS:

													2018–				
	1991-																2019
Annua vimanta vvaimbta d N —	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	2014	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>
Approximate weighted N =	_	14,500	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	0.7
Total	_	5.6	4.8	4.2	4.5	5.0	4.6	4.2	5.1	5.0	4.8	5.8	4.3	4.0	5.1	4.4	-0.7
Gender:																	
Male	_	6.4	5.6	4.8	5.2	5.7	5.8	4.5	5.8	6.3	5.9	6.8	4.7	4.5	6.2	5.0	-1.2
Female	_	4.5	3.9	3.7	3.8	4.3	3.2	4.0	4.5	3.6	3.7	4.9	3.8	3.5	4.2	3.8	-0.4
College Plans:																	
None or under 4 years	_	8.7	6.2	5.4	4.8	9.9	7.7	6.2	3.9	7.5	7.7	9.3	6.5	5.4	5.6	6.3	+0.7
Complete 4 years	_	5.2	4.5	4.0	4.4	4.5	4.2	4.0	5.2	4.7	4.4	5.5	4.1	3.9	4.9	4.0	-0.9
Region:																	
Northeast	_	6.0	3.8	4.0	4.3	4.4	4.0	4.1	4.8	7.4	4.6	5.8	4.1	3.2	3.5	3.4	-0.1
Midwest	_	5.7	4.7	5.1	6.2	7.3	4.1	4.5	4.6	5.6	5.3	6.5	4.7	3.4	6.5	4.9	-1.5
South	_	6.2	5.7	4.6	4.8	5.5	6.0	4.9	7.2	4.5	5.9	6.7	5.1	5.1	5.8	3.4	-2.5 s
West	_	3.9	4.2	2.9	2.6	2.4	3.4	2.9	2.9	3.3	2.7	3.5	3.1	3.6	3.6	6.2	+2.6
Population Density:																	
Large MSA	_	4.6	4.0	3.2	4.1	5.5	4.9	4.5	4.8	5.8	4.9	5.6	3.7	3.6	4.9	2.7	-2.2 s
Other MSA	_	6.4	5.4	4.8	4.3	5.0	4.2	3.8	5.2	5.0	4.5	6.3	3.9	4.6	5.2	5.6	+0.4
Non-MSA	_	4.9	4.4	4.2	5.5	4.3	5.0	4.8	5.3	4.0	5.3	4.7	6.5	3.3	5.1	4.0	-1.1
Parental Education: ^a																	
1.0–2.0 (Low)	_	3.5	5.7	3.6	2.6	2.3	3.0	3.5	2.3	2.7	1.7	1.3	2.2	3.1	3.3	2.4	-0.9
2.5–3.0	_	4.2	3.2	2.8	4.6	4.4	4.7	4.7	5.1	3.7	2.8	3.9	2.3	3.3	3.4	4.2	+0.9
3.5–4.0	_	5.9	5.1	4.5	3.7	3.8	5.3	3.1	5.2	5.3	5.1	6.0	3.5	4.4	4.2	3.7	-0.5
4.5–5.0		5.6	4.9	4.5	5.0	5.8	4.2	4.9	5.2	5.6	4.8	5.9	5.7	3.9	6.8	4.6	-2.2
5.5–6.0 (High)	_	7.6	5.3	5.1	5.2	8.1	5.7	4.7	6.1	7.5	7.7	8.4	5.4	4.9	7.2	7.1	-0.1
Race/Ethnicity (2-year average): ^b																	
White	_	_	6.1	5.3	5.2	5.5	5.4	5.1	5.4	6.1	6.2	7.0	7.0	5.4	6.0	6.5	+0.5
African American	_	_	2.6	2.7	2.6	2.1	2.3	3.1	3.8	4.0	2.8	2.2	1.9	1.8	2.2	2.6	+0.4
Hispanic	_	_	2.2	1.7	1.9	2.8	2.7	2.3	2.8	1.9	1.3	1.7	1.4	1.9	2.6	2.1	-0.5

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data are based on one of four forms; N is one third of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

TABLE 180
EITHER STIMULANT-TYPE OR NON-STIMULANT-TYPE ADHD DRUGS:

	Percentage who said "Yes, I take them now."													2018–			
	1991-																2019
A nava vima ata vva indata da A I —	<u>2004</u>	2005°	2006°	2007 14.500	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>
Approximate weighted N = Total	_	14,500	14,200 3.7	,	14,000	13,700 4.3	14,400 5.2	14,100 5.1	13,700 5.5	12,600 6.0	12,400 5.5	12,900 5.3	11,800 5.6	12,600 5.7	13,300 5.9	12,900 5.0	0.0
Gender:	_	4.5	3.7	4.1	4.4	4.3	5.2	5.1	5.5	6.0	5.5	5.3	5.0	5.7	5.9	5.0	-0.9
Male			2.0	F 0	2.0	2.0	F 0	F 0		6.5	5 4	F 7	6.7	F 0	0.1	0.0	0.4
	_	5.5	3.9 3.5	5.2	3.9	3.9	5.8	5.2	5.5	6.5	5.1 5.7	5.7	6.7	5.9 5.3	6.1	6.0	-0.1
Female	_	3.4	3.5	3.4	4.6	4.5	4.6	4.9	5.4	5.6	5.7	4.0	4.4	5.3	5.1	4.0	-1.0
College Plans:						0.4	0.5	0.0		0.0	0.0		4.0		0.5		4.0
None or under 4 years	_	8.2	3.2	5.9	5.2	3.1	6.5	6.9	5.8	6.9	6.3	5.6	4.0	5.5	6.5	5.3	-1.2
Complete 4 years	_	3.7	3.7	3.8	4.4	4.3	4.9	4.6	5.3	5.7	5.2	5.4	5.6	5.9	5.4	4.9	-0.5
Region:								0.0	4.0	- 4		0.0	0.0				0.4
Northeast	_	6.3	4.1	4.7	5.9	3.0	5.0	6.3	4.8	5.1	5.5	3.8	6.0	7.1	5.4	3.0	-2.4
Midwest	_	4.0	3.5	5.0	4.5	4.5	6.7	6.3	7.2	5.0	6.1	6.8	5.7	7.1	6.3	6.4	+0.1
South	_	4.2	4.2	4.5	3.9	5.8	5.4	4.9	4.8	7.4	6.6	6.6	5.9	5.6	6.2	4.9	-1.3
West	_	4.0	2.7	2.1	4.5	2.3	3.3	3.3	4.8	5.7	3.2	3.0	4.7	4.0	5.3	4.8	-0.5
Population Density:																	
Large MSA	_	3.5	3.7	4.5	5.7	4.5	4.3	4.6	5.6	6.9	5.4	5.1	6.4	6.1	6.2	4.3	-1.9
Other MSA	_	5.6	3.6	4.2	4.3	3.7	6.0	6.4	6.3	6.2	5.7	5.7	6.0	6.2	5.4	5.2	-0.3
Non-MSA	_	3.5	3.8	3.4	3.5	4.9	4.4	2.6	3.0	4.3	5.3	4.8	3.6	4.2	6.4	5.5	-0.9
Parental Education: ^a																	
1.0–2.0 (Low)	_	2.7	3.3	2.3	4.2	2.3	5.1	4.8	3.7	5.7	4.8	3.3	4.8	3.0	2.6	4.1	+1.4
2.5–3.0	_	3.7	2.0	3.8	3.2	2.5	4.4	3.6	4.8	5.7	4.4	2.8	3.4	5.9	4.1	3.4	-0.6
3.5–4.0	_	5.0	3.3	4.1	4.1	3.9	5.2	5.3	5.0	5.1	4.2	4.1	5.2	4.3	5.6	4.6	-1.0
4.5–5.0	_	5.0	4.6	3.7	4.8	4.8	5.4	5.6	5.7	5.8	5.7	6.5	6.8	8.3	6.8	5.0	-1.8
5.5–6.0 (High)	_	4.8	5.3	6.2	6.5	7.4	6.5	6.3	8.3	9.9	11.0	9.0	6.9	7.0	10.4	7.1	-3.2
Race/Ethnicity (2-year average): ^b																	
White	_	_	4.6	4.5	4.9	4.9	5.6	6.6	6.6	6.4	6.3	6.4	7.0	7.2	7.5	6.7	-0.8
African American	_	_	2.3	2.5	3.0	2.7	3.0	3.2	3.2	4.1	4.3	3.2	2.5	3.8	4.8	4.9	+0.1
Hispanic			2.3	2.2	2.4	2.8	3.1	2.5	2.7	3.3	3.5	2.5	2.3	3.5	2.6	1.8	-0.8

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data are based on two of six forms; N is two sixths of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^cData from one of the questionnaire forms was omitted in 2005 due to an error in the skip pattern in the questionnaire. For the 2006 results by race/ethnicity, data from the remaining form in 2005 were double-weighted to account for the omission of the other form.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and

TABLE 181

Any Nicotine Use^c: Trends in <u>30-Day</u>

Prevalence of Use by Subgroups in <u>Grade 12</u>

		Perc	entage w	ho used i	in past 30	days		_
				<u>12th</u>	Graders			
								2018-
	1976-							2019
	2013	2014	2015	2016	2017	2018	2019	<u>change</u>
Approximate weighted N =	_	_	_	_	12,600	13,300	12,900	
Total	_	_	_	_	25.6	32.5	33.6	+1.1
Gender:								
Male	_	_	_	_	29.9	36.5	37.9	+1.3
Female	_	_	_	_	20.7	28.0	28.9	+0.8
College Plans:								
None or under 4 years	_	_	_	_	37.0	42.7	37.6	-5.1
Complete 4 years	_	_	_	_	22.8	28.5	30.8	+2.4
Region:								
Northeast	_	_	_	_	29.8	37.9	33.6	-4.3
Midwest	_	_	_	_	24.5	30.9	36.1	+5.2
South	_	_	_	_	27.2	35.1	32.6	-2.5
West	_	_	_	_	21.2	26.1	32.4	+6.3
Population Density:								
Large MSA	_	_	_	_	23.4	25.4	28.8	+3.4
Other MSA	_	_	_	_	24.0	35.3	34.6	-0.7
Non-MSA	_	_	_	_	32.2	38.0	38.6	+0.6
Parental Education: a								
1.0-2.0 (Low)	_	_	_	_	19.5	23.6	30.9	+7.4
2.5-3.0	_	_	_	_	28.5	32.6	37.1	+4.5
3.5-4.0	_	_	_	_	25.5	32.9	34.2	+1.3
4.5-5.0	_	_	_	_	28.1	36.0	30.0	-6.0
5.5-6.0 (High)	_	_	_	_	24.1	32.5	32.3	-0.2
Race/Ethnicity (2-year data): b								
White	_	_	_	_	_	36.1	46.8	+10.8 sss
African American	_	_	_	_	_	13.4	23.3	+9.9 ss
Hispanic	_	_	_	_	_	17.9	38.5	+20.6 sss

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.

See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of six forms; N is one sixth of N indicated in Table S3.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

cludes use of any of the following: cigarettes, large cigars, flavored small cigars, regular small cigars, tobacco using a hookah, smokeless tobacco, or vaping nicotine.

TABLE 182

Any Nicotine Use other than Vaping^c: Trends in 30-Day

Prevalence of Use by Subgroups in Grade 12

_	Percentage who used in past 30 days												
				<u>12th</u>	Graders								
								2018-					
	1976-							2019					
	2013	<u>2014</u>	2015	<u>2016</u>	<u>2017</u>	2018	<u>2019</u>	<u>change</u>					
Approximate weighted N =	_	_	_	_	12,600	13,300	12,900						
Total	_	_	_	_	20.6	18.5	15.7	-2.7					
Gender:													
Male	_	_	_	_	24.5	23.9	20.0	-3.9					
Female	_	_	_	_	16.1	12.9	11.1	-1.8					
College Plans:													
None or under 4 years	_	_	_	_	32.2	29.7	20.4	-9.3 s					
Complete 4 years	_	_	_	_	17.6	14.4	13.2	-1.2					
Region:													
Northeast	_	_	_	_	24.4	14.9	11.7	-3.2					
Midwest	_	_	_	_	18.5	17.1	15.7	-1.4					
South	_	_	_	_	23.5	23.1	16.3	-6.8 ss					
West	_	_	_	_	15.4	14.5	17.8	+3.3					
Population Density:													
Large MSA	_	_	_	_	18.6	13.5	13.4	-0.2					
Other MSA	_	_	_	_	19.3	19.2	15.9	-3.3					
Non-MSA	_	_	_	_	26.4	24.9	18.8	-6.0					
Parental Education: a													
1.0-2.0 (Low)	_	_	_	_	17.0	14.2	20.5	+6.3					
2.5–3.0	_	_	_	_	23.7	21.9	16.2	-5.8					
3.5-4.0	_	_	_	_	19.9	21.4	14.1	-7.3 ss					
4.5-5.0	_	_	_	_	22.5	16.2	11.7	-4.5					
5.5-6.0 (High)	_	_	_	_	18.4	13.2	16.9	+3.6					
Race/Ethnicity (2-year data): b													
White	_	_	_	_	_	23.4	18.2	-5.2 sss					
African American	_	_	_	_	_	10.1	8.1	-2.0					
Hispanic	_	_	_	_	_	13.2	15.6	+2.4					

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.

See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of six forms; N is one sixth of N indicated in Table S3.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

cludes use of any of the following: cigarettes, large cigars, flavored small cigars, regular small cigars, tobacco using a hookah, or smokeless tobacco.

TABLE 183

Use of Marijuana Under a Doctor's Orders: Trends in Lifetime
Prevalence of Use by Subgroups in Grades 8, 10, and 12

						Percer	ntage who	used in	lifetime						_
			8th Grade	ers			1	0th Grad	ers			1	2th Grade	ers	
					2018-					2018-					2018-
	1991–				2019	1991–				2019	1976–				2019
	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>change</u>
Approximate weighted N =	_	15,300	14,000	13,600		_	13,500	14,300	14,000		_	12,600	13,300	12,900	
Total	_	1.1	1.1	1.3	+0.2	_	1.1	1.3	2.0	+0.7	_	1.5	1.2	2.0	+0.8 s
Gender:															
Male	_	1.1	1.1	1.3	+0.3	_	1.0	1.6	2.2	+0.6	_	1.9	1.3	1.8	+0.5
Female	_	0.9	1.0	1.2	+0.2	_	1.2	0.9	1.7	+0.8	_	1.2	8.0	1.2	+0.4
College Plans:															
None or under 4 years	_	2.2	1.1	3.0	+1.8	_	2.8	1.2	3.2	+2.0	_	4.1	1.7	3.2	+1.5
Complete 4 years	_	8.0	1.0	1.0	0.0	_	0.8	1.3	1.6	+0.4	_	8.0	8.0	1.4	+0.6 s
Region:															
Northeast	_	0.4	8.0	0.9	+0.1	_	0.7	1.0	1.8	+0.8	_	0.7	1.2	1.4	+0.2
Midwest	_	0.4	0.7	1.0	+0.3	_	1.1	1.0	1.5	+0.5	_	0.2	0.7	8.0	+0.1
South	_	1.6	1.2	1.4	+0.2	_	8.0	1.6	2.3	+0.7	_	1.4	1.4	1.7	+0.3
West	_	1.2	1.5	1.5	-0.1	_	1.8	1.2	2.2	+1.0	_	3.2	1.5	4.8	+3.2 s
Population Density:															
Large MSA	_	1.0	8.0	1.5	+0.7	_	8.0	0.9	1.8	+0.8	_	1.6	1.4	1.7	+0.3
Other MSA	_	1.4	1.1	1.1	0.0	_	1.4	1.5	2.3	+0.8	_	1.0	1.1	2.4	+1.3 s
Non-MSA	_	0.3	1.7	1.4	-0.4	_	0.7	1.4	1.8	+0.4	_	2.3	1.1	1.5	+0.4
Parental Education: a															
1.0-2.0 (Low)	_	1.0	2.5	1.5	-1.1	_	1.8	1.5	2.1	+0.6	_	2.5	1.2	2.4	+1.2
2.5–3.0	_	0.9	1.3	2.1	+0.8	_	2.4	2.2	2.8	+0.6	_	2.4	1.0	2.8	+1.8 s
3.5-4.0	_	1.0	1.1	0.7	-0.4	_	8.0	0.6	2.1	+1.5 ss	_	1.2	1.5	1.7	+0.2
4.5–5.0	_	0.5	0.4	1.1	+0.7	_	0.3	1.3	1.3	+0.1	_	0.6	1.0	1.3	+0.3
5.5–6.0 (High)	_	1.0	0.7	1.2	+0.5	_	0.7	0.7	1.8	+1.1	_	1.0	1.0	1.1	0.0
Race/Ethnicity (2-year data): b															
White	_	_	0.7	0.9	+0.1	_	_	0.6	1.2	+0.6 ss	_	_	8.0	0.9	+0.2
African American	_	_	1.3	1.1	-0.2	_	_	2.1	2.2	+0.1	_	_	1.8	1.6	-0.2
Hispanic	_	_	1.1	1.6	+0.4	<u> </u>	_	1.8	1.7	-0.1		_	1.8	2.4	+0.6

Notes.

'--' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.

See Tables S1, S2, and S3 for the number of subgroup cases. See appendix B for definition of variables in table. For 8th and 10th graders only: Data based on one of four forms; N is one third of N indicated in S1 and S2. For 12th graders only: Data based on two of six forms; N is two sixths of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 184

Powdered Alcohol: Trends in Annual

Prevalence of Use by Subgroups in Grades 8, 10, and 12

							Perce	entage wh	o used ir	last 12 r	nonths							_
			8th C	<u>Graders</u>					10th (Graders					12th (<u>Graders</u>		
						2018-						2018-						2018-
	1991–					2019	1991–					2019	1976-					2019
	<u>2015</u>	2016	2017	2018	2019	change	<u>2015</u>	2016	2017	2018	2019	change	<u>2015</u>	2016	2017	2018	<u>2019</u>	<u>change</u>
Approximate weighted N =	_	16,900	15,300	14,000	13,600		_	14,700	13,500	14,300	14,000		_	11,800	12,600	13,300	12,900	
Total	_	1.0	8.0	8.0	1.2	+0.5	_	1.3	8.0	1.2	1.0	-0.2	_	1.7	1.0	1.3	1.4	+0.1
Gender:																		
Male	_	1.3	0.9	8.0	1.2	+0.4	_	1.8	1.0	1.5	1.4	-0.1	_	1.9	1.3	1.4	2.2	+0.8
Female	_	8.0	0.6	0.7	1.3	+0.5	_	8.0	0.7	0.9	0.5	-0.4	_	1.3	0.5	0.7	0.5	-0.2
College Plans:																		
None or under 4 years	_	4.5	2.4	2.1	2.7	+0.6	_	3.2	2.3	1.6	1.8	+0.2	_	4.1	1.2	2.8	2.9	0.0
Complete 4 years	_	0.7	0.6	0.6	1.0	+0.4	_	1.0	0.6	1.1	8.0	-0.4	_	1.1	0.7	0.7	0.9	+0.2
Region:																		
Northeast	_	0.4	0.6	1.1	1.2	+0.1	_	1.4	0.7	2.2	0.4	-1.8 s	_	1.2	0.7	8.0	1.3	+0.5
Midwest	_	8.0	0.6	0.1	0.7	+0.7	_	1.2	0.4	1.4	0.7	-0.7	_	1.8	1.0	1.5	0.5	-0.9 s
South	_	1.2	8.0	0.7	1.4	+0.7	_	1.3	0.9	0.7	0.6	-0.2	_	2.1	1.3	1.5	1.6	+0.1
West	_	1.2	1.1	1.2	1.5	+0.3	_	1.3	1.1	1.2	2.4	+1.2	_	1.3	0.6	1.3	2.1	+0.8
Population Density:																		
Large MSA	_	1.1	0.9	0.9	1.3	+0.4	_	0.9	0.7	1.7	0.6	-1.1 s	_	1.7	1.1	1.6	2.2	+0.6
Other MSA	_	0.9	0.9	8.0	1.4	+0.6	_	1.3	0.7	1.2	1.1	-0.1	_	1.8	1.1	1.1	1.0	-0.1
Non-MSA	_	0.9	0.5	0.4	0.9	+0.5	_	2.0	1.4	8.0	1.5	+0.7	_	1.6	0.6	1.5	1.1	-0.4
Parental Education: a																		
1.0-2.0 (Low)	_	2.0	1.5	1.8	0.2	-1.5	_	1.3	2.2	2.1	0.6	-1.5	_	3.8	1.7	2.4	2.7	+0.3
2.5–3.0	_	1.1	0.1	1.1	1.9	+0.9	_	2.3	0.3	1.7	0.3	-1.4	_	1.6	1.7	1.7	1.1	-0.6
3.5–4.0	_	1.4	8.0	0.5	1.2	+0.7	_	1.0	1.1	1.1	1.8	+0.7	_	2.1	0.5	0.9	1.2	+0.3
4.5–5.0	_	0.7	0.9	0.5	1.0	+0.5	_	0.6	0.3	0.7	1.2	+0.5	_	8.0	0.4	0.5	0.7	+0.1
5.5-6.0 (High)	_	0.4	0.7	0.3	1.1	+0.8	_	1.4	0.2	1.1	0.2	-0.9	_	1.2	0.7	1.0	8.0	-0.2
Race/Ethnicity (2-year data): b																		
White	_	_	0.6	0.6	8.0	+0.2	_	_	8.0	0.7	1.0	+0.3	_	_	1.0	0.7	0.7	-0.1
African American	_	_	1.3	1.2	1.5	+0.2	_	_	1.3	0.9	1.1	+0.2	_	_	1.5	0.9	2.6	+1.7 s
Hispanic	_	_	1.3	1.1	1.3	+0.2	_		1.6	2.1	1.6	-0.5	_	_	1.3	1.2	1.8	+0.5

Notes. '-' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.

See Tables S1, S2, and S3 for the number of subgroup cases. See appendix B for definition of variables in table. For 8th and 10th graders only: Data based on one of four forms; *N* is one third of *N* indicated in S1 and S2. For 12th graders only: Data based on two of six forms; *N* is two sixths of *N* indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 185

ENERGY DRINKS: Trends in <u>Daily</u> Prevalence of Use by Subgroups in <u>Grade 8</u>

					Percer	nt who use	ed daily					2018–
	1975–											2019
	2009	2010	<u>2011</u>	2012	2013	<u>2014</u>	2015	<u>2016</u>	2017	2018	2019	change
Approximate weighted N =		14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	_	18.6	17.7	16.3	14.2	12.8	12.1	11.3	10.1	10.3	10.5	+0.3
Gender:												
Male	_	22.5	20.3	17.6	16.4	14.9	14.0	12.8	12.5	13.8	12.2	-1.6
Female	_	15.2	15.0	14.9	11.9	10.5	10.2	9.8	6.9	6.4	8.8	+2.4 s
College Plans:												
None or under 4 years	_	32.2	37.5	36.9	32.2	25.9	27.7	25.0	20.2	20.4	21.0	+0.6
Complete 4 years	_	17.1	16.1	14.9	12.8	11.5	10.5	9.9	8.9	8.8	9.0	+0.2
Region:												
Northeast	_	19.7	14.9	12.3	12.5	11.5	8.2	8.8	6.6	11.2	9.5	-1.7
Midwest	_	18.0	17.3	13.8	15.4	12.5	11.5	11.6	8.6	8.4	10.6	+2.3
South	_	20.4	19.6	18.2	16.7	14.1	14.7	12.4	11.2	10.1	10.9	+0.9
West	_	15.5	17.0	18.7	9.9	11.7	10.5	11.0	11.8	11.8	10.6	-1.2
Population Density:												
Large MSA	_	14.1	15.8	13.6	12.4	12.4	9.4	10.4	8.7	8.8	9.3	+0.5
Other MSA	_	21.3	18.1	16.3	13.0	12.6	11.7	11.3	11.2	11.0	10.0	-1.0
Non-MSA	_	18.5	19.8	20.9	19.5	13.9	16.7	13.0	9.4	10.9	13.9	+3.0
Parental Education: a												
1.0–2.0 (Low)	_	23.5	26.5	22.9	20.8	17.7	15.4	15.8	11.6	12.2	15.3	+3.1
2.5–3.0	_	23.2	23.4	21.7	17.4	15.1	15.8	13.0	13.1	10.9	13.9	+3.0
3.5–4.0	_	18.8	18.6	18.9	13.7	12.3	11.2	10.9	11.1	11.4	11.6	+0.2
4.5–5.0	_	15.5	12.4	11.8	11.4	9.7	8.9	9.1	7.9	8.3	9.0	+0.6
5.5–6.0 (High)	_	11.5	10.8	9.0	9.9	9.4	6.9	8.3	5.3	9.6	6.9	-2.7
Race/Ethnicity (2-year data): b												
White	_	_	16.5	14.7	12.8	10.3	10.7	10.4	9.0	8.3	9.5	+1.2
African American	_	_	19.1	18.2	15.8	14.3	13.3	13.1	14.0	13.1	9.8	-3.3 ss
Hispanic			22.6	22.6	18.5	15.2	14.5	13.4	11.9	10.7	10.8	+0.2

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates

for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table S3.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 186

ENERGY DRINKS: Trends in <u>Daily</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

_					Percer	nt who use	ed daily					2018–
	1975–											2019
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	change
Approximate weighted N =		14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	_	13.6	11.4	10.8	10.3	9.6	7.8	9.2	8.8	9.1	10.5	+1.4
Gender:												
Male	_	17.0	14.1	13.8	12.5	11.4	9.0	10.8	9.9	10.9	12.8	+1.9
Female	_	10.0	8.9	7.8	8.1	7.8	6.3	6.8	7.3	7.3	8.2	+0.9
College Plans:												
None or under 4 years	_	28.1	23.9	27.2	18.7	20.4	15.3	17.4	21.6	17.5	18.9	+1.4
Complete 4 years	_	11.8	9.9	9.1	9.3	8.2	7.0	8.0	7.1	7.7	8.9	+1.2
Region:												
Northeast	_	11.0	9.3	7.1	8.1	6.7	7.0	7.2	8.1	9.8	8.1	-1.7
Midwest	_	12.0	11.1	12.1	8.6	7.8	6.7	8.7	9.8	10.0	10.0	0.0
South	_	15.8	14.3	11.6	11.2	10.5	7.8	10.0	6.8	8.7	10.0	+1.3
West	_	14.3	9.1	11.5	12.5	12.3	9.6	10.0	11.2	8.3	13.3	+5.0 s
Population Density:												
Large MSA	_	11.0	10.4	10.4	9.3	8.5	7.5	7.6	8.3	8.6	7.3	-1.3
Other MSA	_	13.6	10.0	9.6	9.9	7.8	7.8	9.3	8.3	8.8	11.2	+2.4
Non-MSA	_	17.4	15.5	14.1	12.7	15.7	8.5	11.9	11.0	10.6	13.9	+3.3
Parental Education: a												
1.0–2.0 (Low)	_	18.8	16.5	15.7	19.4	13.4	10.7	12.2	14.3	14.9	9.5	-5.4 s
2.5–3.0	_	18.1	16.5	15.2	15.3	14.0	10.6	12.6	9.2	9.3	12.3	+3.0
3.5–4.0	_	14.0	10.7	10.6	10.2	9.0	7.4	8.7	8.7	9.8	10.6	+0.9
4.5–5.0	_	8.3	7.6	8.0	5.5	7.5	5.7	7.3	6.7	6.7	8.5	+1.8
5.5–6.0 (High)	_	8.9	8.3	6.9	6.3	5.4	5.4	5.4	4.9	6.9	8.6	+1.6
Race/Ethnicity (2-year data): b												
White	_	_	11.7	10.0	9.1	9.0	8.0	7.8	8.6	8.8	9.9	+1.1
African American	_	_	13.6	11.5	10.2	10.2	10.3	8.7	7.6	8.0	8.7	+0.7
Hispanic			14.2	14.1	14.7	11.8	9.2	9.3	9.8	10.1	9.7	-0.4

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates

for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table S3.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 187

ENERGY DRINKS: Trends in <u>Daily</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

					Percer	nt who use	ed daily					2018–
	1975–											2019
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	<u>change</u>
Approximate weighted N =		14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	_	12.3	9.5	9.2	8.2	8.3	7.8	9.8	9.4	10.1	11.6	+1.5
Gender:												
Male	_	14.8	11.6	10.7	10.7	10.1	9.0	11.2	12.7	12.2	15.0	+2.9
Female	_	8.9	7.5	7.5	5.8	6.4	6.7	7.8	6.3	7.6	7.9	+0.3
College Plans:												
None or under 4 years	_	18.5	14.1	16.5	15.3	18.8	13.3	19.7	15.1	18.4	22.7	+4.3
Complete 4 years	_	11.1	8.4	7.6	6.3	5.8	6.4	7.8	8.0	7.8	8.2	+0.4
Region:												
Northeast	_	15.7	7.2	8.6	9.7	9.5	4.5	11.2	7.3	7.7	8.4	+0.7
Midwest	_	10.7	8.9	7.2	7.5	9.1	10.6	8.3	10.9	12.4	12.7	+0.4
South	_	11.9	10.3	12.4	8.2	7.4	6.5	12.4	10.8	9.8	11.7	+1.9
West	_	12.4	10.4	7.8	7.8	8.3	9.5	5.5	7.2	10.0	13.0	+3.0
Population Density:												
Large MSA	_	10.6	8.2	9.6	8.7	6.9	8.4	9.1	10.5	9.4	9.1	-0.2
Other MSA	_	11.7	8.8	9.0	7.0	8.3	7.5	10.1	8.4	8.7	11.2	+2.4
Non-MSA	_	16.3	12.9	9.4	10.2	10.2	7.4	10.3	9.8	14.8	16.9	+2.1
Parental Education: a												
1.0–2.0 (Low)	_	19.0	10.8	14.1	17.4	12.3	10.6	12.8	16.0	11.1	9.4	-1.7
2.5–3.0	_	16.9	12.9	10.9	7.6	14.1	9.0	11.5	10.3	12.4	11.7	-0.7
3.5–4.0	_	11.2	10.5	11.8	8.2	7.0	6.9	11.8	9.3	9.7	14.7	+4.9 s
4.5–5.0	_	10.1	5.9	5.3	5.7	4.9	6.8	4.7	6.2	7.7	10.0	+2.3
5.5–6.0 (High)	_	3.5	8.4	5.6	5.3	4.8	6.2	9.2	6.4	9.8	6.4	-3.4
Race/Ethnicity (2-year data): b												
White	_	_	10.4	8.1	7.6	8.5	9.1	9.3	9.5	10.1	11.5	+1.4
African American	_	_	8.9	10.7	10.4	7.9	7.6	8.9	10.2	8.1	9.2	+1.1
Hispanic			11.8	12.8	10.9	7.9	6.2	5.8	9.1	8.7	7.9	-0.8

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates

for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of six forms; N is one sixth of N indicated in Table S3.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 188

ENERGY SHOTS: Trends in <u>Daily</u> Prevalence of Use by Subgroups in <u>Grade 8</u>

_					Percer	nt who use	ed daily					2018–
	1975–											2019
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	change
Approximate weighted N =		14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	_	6.4	6.8	5.7	5.6	4.2	5.3	4.4	4.0	3.7	4.6	+0.9
Gender:												
Male	_	7.6	8.5	6.6	6.8	4.6	6.6	5.1	5.4	5.2	5.5	+0.3
Female	_	5.3	5.2	4.7	4.3	3.7	4.2	3.7	2.4	1.9	3.6	+1.8 ss
College Plans:												
None or under 4 years	_	12.9	17.5	17.7	18.7	12.3	14.2	13.4	6.9	8.2	9.5	+1.3
Complete 4 years	_	5.7	6.0	4.8	4.7	3.4	4.4	3.4	3.5	3.0	3.9	+0.9
Region:												
Northeast	_	7.8	5.8	4.0	3.4	2.8	2.5	3.1	2.9	4.0	3.9	-0.1
Midwest	_	5.1	6.0	5.6	6.2	3.6	5.1	3.9	2.9	2.7	3.2	+0.4
South	_	7.4	7.9	6.5	7.6	5.4	7.0	5.0	5.1	4.3	6.3	+2.1 s
West	_	5.4	6.7	5.7	3.4	4.0	4.4	4.8	3.7	3.7	3.9	+0.2
Population Density:												
Large MSA	_	5.3	6.7	5.5	5.0	4.6	4.6	4.6	3.8	4.1	4.4	+0.3
Other MSA	_	7.4	7.6	5.2	4.7	4.1	4.8	4.1	4.7	3.2	4.4	+1.2
Non-MSA	_	5.8	5.3	7.1	8.7	4.0	7.5	4.7	2.5	4.3	5.5	+1.2
Parental Education: a												
1.0–2.0 (Low)	_	9.6	14.0	9.0	8.6	8.0	6.8	8.7	5.6	6.6	7.9	+1.3
2.5–3.0	_	8.1	8.7	7.2	6.3	5.4	6.2	4.0	5.1	3.3	5.5	+2.3 s
3.5–4.0	_	5.1	6.8	6.8	6.0	3.5	4.8	3.6	4.0	3.4	4.0	+0.6
4.5–5.0	_	5.5	4.7	3.4	4.4	2.8	3.8	3.7	3.2	2.7	3.5	+0.8
5.5–6.0 (High)	_	4.6	4.1	3.2	3.7	2.8	4.0	2.2	2.2	3.7	3.3	-0.3
Race/Ethnicity (2-year data): b												
White	_	_	5.2	4.4	3.4	3.2	2.9	3.2	2.7	2.5	3.0	+0.6
African American	_	_	7.0	7.7	8.1	7.1	6.6	6.5	6.4	5.8	5.9	+0.1
Hispanic	_	_	10.4	10.1	7.1	5.2	6.3	6.4	5.6	4.6	4.9	+0.2

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates

for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table S3.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 189

ENERGY SHOTS: Trends in <u>Daily</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

_					Percer	nt who use	ed daily					2018–
	1975–											2019
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	change
Approximate weighted N =		14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	_	4.3	4.6	4.0	4.0	3.4	2.6	3.3	3.3	3.8	4.1	+0.3
Gender:												
Male	_	5.7	5.8	4.8	5.0	4.3	3.0	3.7	4.3	4.8	5.9	+1.1
Female	_	2.8	3.4	2.9	2.8	2.5	2.1	2.8	2.1	2.7	2.2	-0.6
College Plans:												
None or under 4 years	_	10.0	8.6	9.9	6.0	9.9	7.0	5.9	9.8	6.5	7.4	+0.9
Complete 4 years	_	3.6	4.1	3.4	3.6	2.7	2.1	2.9	2.5	3.3	3.5	+0.2
Region:												
Northeast	_	3.8	5.0	3.2	2.9	2.8	2.1	3.0	3.3	3.1	2.4	-0.7
Midwest	_	3.8	3.5	4.6	3.1	2.5	2.5	3.1	3.0	4.0	2.9	-1.0
South	_	5.5	5.9	3.5	4.6	4.0	2.2	3.8	2.8	4.4	4.8	+0.4
West	_	3.4	3.6	4.4	4.9	3.9	3.9	3.1	4.2	3.1	5.1	+2.0
Population Density:												
Large MSA	_	4.0	4.4	4.3	4.1	3.1	2.8	3.2	3.5	2.8	2.4	-0.4
Other MSA	_	3.9	4.2	3.5	3.8	2.4	2.2	3.2	3.0	4.1	4.7	+0.7
Non-MSA	_	5.4	5.7	4.4	4.2	6.3	3.4	4.0	3.6	4.7	5.2	+0.5
Parental Education: a												
1.0–2.0 (Low)	_	6.5	7.5	8.9	7.4	4.2	3.6	5.4	5.4	6.8	5.0	-1.9
2.5–3.0	_	5.8	5.8	5.0	5.8	5.0	3.6	3.3	2.9	3.3	5.1	+1.9
3.5–4.0	_	4.5	3.9	3.7	3.8	2.9	2.0	3.5	3.1	4.6	4.1	-0.5
4.5–5.0	_	2.4	3.1	2.4	2.2	2.6	2.4	2.3	2.6	2.0	2.2	+0.3
5.5–6.0 (High)	_	3.1	4.1	2.3	2.7	2.0	0.9	2.3	1.6	3.0	3.3	+0.4
Race/Ethnicity (2-year data): b												
White	_	_	3.6	3.3	2.6	2.4	2.4	2.4	2.2	2.7	3.4	+0.8 s
African American	_	_	7.4	6.9	6.7	6.4	4.6	4.7	5.1	4.9	5.7	+0.8
Hispanic	_		5.2	5.7	5.4	4.5	3.4	3.9	4.7	4.8	4.2	-0.5

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates

for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table S3.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 190

ENERGY SHOTS: Trends in <u>Daily</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

					Percer	nt who use	ed daily					2018–
	1975–											2019
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	change
Approximate weighted N =		14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	_	4.3	4.0	2.7	2.5	2.1	3.1	4.1	3.8	4.2	4.1	-0.1
Gender:												
Male	_	5.9	4.5	2.9	3.4	1.6	2.9	4.7	5.1	5.2	5.0	-0.2
Female	_	2.2	3.4	2.7	1.7	2.1	3.0	3.2	2.4	2.3	2.9	+0.6
College Plans:												
None or under 4 years	_	8.9	5.9	4.3	4.1	5.7	4.5	8.4	6.8	7.8	11.3	+3.5
Complete 4 years	_	3.4	3.4	2.4	1.9	1.2	2.6	2.9	2.9	3.0	2.0	-1.0
Region:												
Northeast	_	4.7	5.4	2.9	4.3	2.4	1.5	4.7	3.4	5.1	4.1	-1.0
Midwest	_	3.3	4.3	2.4	1.2	2.2	2.9	2.5	3.8	4.0	3.1	-0.9
South	_	4.8	4.5	3.1	2.3	2.4	4.0	4.7	5.2	4.4	5.1	+0.7
West	_	4.2	2.0	2.6	3.1	1.5	3.0	4.2	2.0	3.4	3.0	-0.4
Population Density:												
Large MSA	_	2.8	2.4	3.1	3.2	2.6	3.3	4.5	4.2	4.8	4.3	-0.5
Other MSA	_	4.7	4.6	2.2	2.0	1.5	3.5	3.6	3.4	3.7	4.0	+0.3
Non-MSA	_	5.2	4.8	3.6	2.8	3.0	1.8	4.7	4.1	4.0	3.9	-0.2
Parental Education: a												
1.0–2.0 (Low)	_	9.0	5.0	5.2	6.7	4.0	5.6	8.1	8.5	8.4	7.7	-0.7
2.5–3.0	_	6.5	4.8	3.3	1.9	2.5	3.6	5.0	4.5	5.2	3.0	-2.2
3.5–4.0	_	3.6	5.2	3.4	2.2	2.3	3.2	3.2	2.9	2.9	5.3	+2.4
4.5–5.0	_	2.3	2.9	1.3	2.1	0.6	2.7	2.5	2.6	2.9	2.1	-0.8
5.5-6.0 (High)	_	2.1	2.2	1.9	1.7	1.0	1.9	3.1	1.9	2.1	1.1	-0.9
Race/Ethnicity (2-year data): b												
White	_	_	3.1	2.8	1.9	1.8	2.2	2.6	2.7	3.3	3.3	+0.1
African American	_	_	6.6	6.9	4.6	3.7	4.5	6.6	8.1	6.0	6.1	+0.1
Hispanic			5.7	4.0	3.5	2.6	3.0	4.2	4.1	3.9	3.9	+0.1

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates

for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of six forms; N is one sixth of N indicated in Table S3.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 191

EITHER ENERGY DRINKS OR ENERGY SHOTS: Trends in <u>Daily</u> Prevalence of Use by Subgroups in <u>Grade 8</u>

					Percer	nt who use	ed daily					2018–
	1975–											2019
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	change
Approximate weighted N =		14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	_	19.5	18.9	17.2	15.4	13.5	13.0	12.3	11.1	11.4	11.7	+0.4
Gender:												
Male	_	23.2	22.0	18.8	18.2	15.7	15.2	14.1	14.0	15.2	13.4	-1.7
Female	_	16.0	15.7	15.4	12.4	11.2	10.9	10.5	7.5	7.0	9.8	+2.8 s
College Plans:												
None or under 4 years	_	34.0	40.9	39.9	36.4	27.5	29.1	28.6	21.8	22.1	23.0	+0.9
Complete 4 years	_	17.9	17.1	15.5	13.8	12.0	11.4	10.7	9.9	9.8	9.9	+0.2
Region:												
Northeast	_	20.9	16.2	12.4	12.9	11.7	8.9	9.7	7.7	12.6	10.2	-2.4
Midwest	_	18.7	18.3	14.6	16.3	13.3	12.1	12.1	9.9	8.9	11.2	+2.3
South	_	21.5	21.0	19.4	19.0	15.2	16.2	13.3	12.2	11.5	12.9	+1.3
West	_	16.0	18.1	19.5	10.4	12.2	11.1	12.8	12.8	12.7	11.5	-1.2
Population Density:												
Large MSA	_	15.6	17.0	14.4	13.7	13.3	10.1	11.4	9.7	10.2	10.6	+0.4
Other MSA	_	21.9	19.4	17.3	14.0	13.3	12.6	12.2	12.6	11.7	11.3	-0.4
Non-MSA	_	19.2	20.8	21.5	21.3	14.3	18.0	14.3	9.7	12.5	14.6	+2.1
Parental Education: a												
1.0–2.0 (Low)	_	24.9	28.7	24.6	22.5	18.7	16.2	18.2	13.2	14.2	17.6	+3.4
2.5–3.0	_	24.0	24.6	22.4	18.5	15.9	17.0	14.2	14.4	12.3	15.2	+2.9
3.5–4.0	_	19.4	20.3	19.9	15.0	12.8	12.3	11.4	11.8	12.0	12.3	+0.3
4.5–5.0	_	16.3	13.4	12.0	12.8	10.3	9.5	9.9	9.2	9.0	9.6	+0.6
5.5–6.0 (High)	_	12.4	11.7	9.5	10.9	10.2	7.8	8.8	5.7	11.0	7.7	-3.4
Race/Ethnicity (2-year data): b												
White	_	_	17.3	15.6	13.4	11.8	11.3	11.1	9.7	9.1	10.4	+1.3
African American	_	_	20.4	19.3	17.5	16.9	14.7	14.6	15.1	14.0	11.3	-2.7
Hispanic	_		24.0	24.2	20.1	16.0	15.7	14.9	13.4	12.0	12.3	+0.3

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates

for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table S3.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 192

EITHER ENERGY DRINKS OR ENERGY SHOTS: Trends in <u>Daily</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

					Percer	nt who use	ed daily					2018–
	1975–											2019
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	change
Approximate weighted N =		14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	_	14.4	12.4	11.8	11.3	10.1	8.4	10.0	9.5	9.9	11.6	+1.7
Gender:												
Male	_	17.8	15.4	14.8	13.7	12.3	9.8	11.6	10.8	12.0	14.4	+2.4
Female	_	10.7	9.6	8.6	8.8	8.0	6.7	7.7	7.8	7.7	8.7	+1.0
College Plans:												
None or under 4 years	_	29.0	25.8	28.8	20.7	22.4	17.2	19.0	22.8	18.0	20.5	+2.5
Complete 4 years	_	12.5	10.9	10.0	10.0	8.6	7.6	8.7	7.7	8.5	9.9	+1.4
Region:												
Northeast	_	11.8	10.9	7.9	8.2	7.5	7.3	8.0	8.8	10.2	9.6	-0.6
Midwest	_	12.6	11.7	12.9	9.6	8.2	7.2	9.6	10.4	10.7	10.9	+0.3
South	_	16.8	15.3	12.8	12.7	11.0	8.4	10.9	7.4	9.8	11.5	+1.7
West	_	14.8	10.1	12.3	13.3	12.9	10.8	10.7	12.0	9.0	13.8	+4.9 s
Population Density:												
Large MSA	_	11.8	11.4	11.5	10.2	9.4	8.4	8.3	9.1	9.2	8.1	-1.1
Other MSA	_	14.5	11.1	10.5	10.9	8.1	8.1	10.0	8.8	9.8	12.6	+2.8
Non-MSA	_	17.9	16.3	15.0	13.8	16.2	9.2	13.1	11.8	11.1	15.0	+3.9
Parental Education: a												
1.0-2.0 (Low)	_	20.4	17.3	18.1	21.4	13.9	11.5	14.1	15.1	15.9	11.8	-4.1
2.5–3.0	_	19.3	17.3	16.5	16.1	14.9	11.2	13.9	10.1	9.9	14.0	+4.1 s
3.5–4.0	_	14.6	11.8	11.3	11.5	9.4	8.1	9.6	9.5	11.0	11.4	+0.4
4.5–5.0	_	8.7	8.4	8.3	5.8	8.1	6.4	7.7	7.1	6.9	8.7	+1.9
5.5–6.0 (High)	_	9.9	9.8	7.6	7.1	5.7	5.6	5.9	5.4	7.8	9.7	+1.9
Race/Ethnicity (2-year data): b												
White	_	_	12.4	10.7	9.7	9.3	8.4	8.4	9.0	9.3	10.6	+1.4 s
African American	_	_	15.8	13.4	11.8	11.9	11.7	9.9	9.4	9.7	10.3	+0.7
Hispanic			15.2	15.6	16.3	10.6	9.9	10.4	10.9	10.8	10.6	-0.2

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates

for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table S3.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 193

EITHER ENERGY DRINKS OR ENERGY SHOTS: Trends in <u>Daily</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

_					Percer	nt who use	ed daily					2018–
	1975–											2019
	2009	2010	<u>2011</u>	2012	2013	<u>2014</u>	2015	<u>2016</u>	2017	2018	2019	change
Approximate weighted N =		14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900	
Total	_	13.5	11.0	9.9	9.1	9.3	9.0	10.9	10.9	11.2	12.8	+1.5
Gender:												
Male	_	16.0	13.7	11.1	11.9	10.7	10.2	12.6	14.8	14.1	16.7	+2.6
Female	_	9.9	8.5	8.4	6.6	7.5	7.8	8.5	7.1	7.9	8.6	+0.7
College Plans:												
None or under 4 years	_	21.5	16.9	17.7	16.1	20.9	15.7	22.3	16.4	20.1	25.5	+5.3
Complete 4 years	_	11.8	9.7	8.2	7.2	6.3	7.3	8.4	9.2	8.7	8.7	0.0
Region:												
Northeast	_	16.2	9.8	9.0	11.2	10.9	5.5	13.2	8.2	10.7	10.0	-0.6
Midwest	_	11.7	10.7	7.7	8.1	9.3	12.3	8.8	13.0	12.8	13.8	+0.9
South	_	13.4	11.9	13.6	9.2	8.6	8.3	13.6	12.7	10.8	13.1	+2.3
West	_	13.5	10.8	8.3	8.7	9.1	9.6	6.2	7.9	10.8	13.3	+2.4
Population Density:												
Large MSA	_	11.7	9.2	9.9	10.1	8.7	10.1	10.1	11.8	11.2	10.8	-0.4
Other MSA	_	12.6	10.9	9.5	7.8	8.8	8.6	11.0	9.3	9.7	12.1	+2.3
Non-MSA	_	18.1	13.6	10.8	10.8	11.1	8.2	11.6	12.7	14.8	17.7	+2.9
Parental Education: a												
1.0–2.0 (Low)	_	21.4	13.0	16.6	20.0	14.5	13.5	13.4	18.0	13.0	13.3	+0.3
2.5–3.0	_	19.0	13.9	11.3	8.1	14.8	10.3	12.5	12.7	14.1	12.3	-1.8
3.5–4.0	_	12.2	12.8	12.6	9.2	7.7	7.9	12.6	10.3	9.9	16.5	+6.6 ss
4.5–5.0	_	10.7	7.4	5.7	6.3	5.2	8.0	6.3	7.7	9.1	10.3	+1.2
5.5–6.0 (High)	_	3.9	8.7	5.7	6.3	5.1	6.9	9.2	6.4	10.7	6.4	-4.3
Race/Ethnicity (2-year data): b												
White	_	_	11.6	9.1	8.1	10.0	9.7	10.0	10.4	11.1	12.4	+1.2
African American	_	_	11.1	13.3	12.2	11.8	10.3	11.2	12.8	10.4	10.6	+0.1
Hispanic			13.8	13.7	12.4	7.3	7.8	7.3	9.9	9.3	9.2	0.0

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates

for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of six forms; N is one sixth of N indicated in Table S3.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE S1
Approximate Weighted Ns by Subgroups in Grade 8

	<u>1991</u>	1992	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	2001	2002	2003	2004	2005	2006
Total	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500
Gender																
Male	8,600	8,800	8,600	8,300	8,100	8,400	8,600	8,600	7,800	7,900	7,500	7,000	7,600	8,100	8,000	7,800
Female	8,600	9,300	9,200	8,600	8,700	8,800	9,300	8,900	8,400	8,300	8,300	7,600	8,400	8,500	8,400	8,200
College Plans																
None or under 4 years	2,300	2,400	2,100	2,000	1,900	2,200	1,900	1,800	1,700	1,600	1,600	1,300	1,600	1,600	1,600	1,500
Complete 4 years	14,600	15,400	15,400	14,700	14,800	14,800	15,800	15,600	14,500	14,500	14,100	13,400	14,500	15,000	14,800	14,600
Region																
Northeast	3,000	3,700	3,900	3,400	3,100	3,200	3,400	3,300	3,000	2,800	2,900	2,800	3,200	3,200	3,200	2,900
Midwest	5,300	5,300	4,700	4,200	4,300	4,600	4,100	4,300	4,200	4,300	4,000	4,000	4,100	4,000	3,700	3,500
South	6,300	6,200	6,400	6,300	6,600	6,300	7,200	6,600	6,100	6,300	5,900	5,400	6,300	6,300	6,300	6,300
West	2,900	3,400	3,300	3,400	3,500	3,700	3,900	3,900	3,400	3,300	3,400	2,900	2,900	3,500	3,600	3,800
Population Density																
Large MSA	4,500	5,700	5,500	4,400	5,200	5,200	5,000	4,800	4,800	4,900	4,700	4,500	4,900	5,000	5,400	5,400
Other MSA	8,400	8,300	8,800	8,300	7,800	8,400	9,000	8,800	7,900	7,900	7,500	6,900	7,700	7,900	7,400	7,300
Non-MSA	4,600	4,600	4,000	4,600	4,500	4,200	4,600	4,500	4,000	3,900	4,000	3,700	3,900	4,100	4,000	3,800
Parental Education																
1.0-2.0 (Low)	1,400	1,700	1,700	1,600	1,500	1,500	1,500	1,300	1,300	1,300	1,300	1,100	1,100	1,200	1,400	1,400
2.5–3.0	4,400	4,600	4,500	4,100	3,900	4,300	4,000	3,900	3,800	3,700	3,400	3,200	3,400	3,400	3,400	3,300
3.5–4.0	4,100	4,300	4,300	4,200	4,000	4,100	4,300	4,100	3,800	3,900	4,000	3,500	3,700	4,000	3,700	3,800
4.5–5.0	4,100	4,100	4,100	3,900	3,900	3,900	4,500	4,500	4,000	3,900	3,900	3,800	4,200	4,300	4,200	4,000
5.5-6.0 (High)	2,200	2,300	2,300	2,200	2,300	2,200	2,600	2,700	2,200	2,200	2,100	2,100	2,400	2,500	2,600	2,300
Race/Ethnicity (2-year average) ^a																
White	_	21,900	22,000	20,900	19,800	20,200	21,400	21,300	19,800	18,900	18,600	17,600	18,400	20,400	20,500	19,500
African American	_	4,200	4,800	5,500	5,600	5,300	4,700	4,900	5,000	4,800	4,500	4,500	4,400	3,900	3,800	4,000
Hispanic	_	3,400	3,600	4,000	4,000	4,000	4,200	4,100	4,100	4,000	4,100	3,900	3,400	3,200	3,600	4,700

TABLE S1 (cont.)

Approximate Weighted Ns by Subgroups in Grade 8

	2007	2008	2009	<u>2010</u>	2011	2012	<u>2013</u>	2014	<u>2015</u>	<u>2016</u>	2017	<u>2018</u>	<u>2019</u>
Total	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	14,400	16,900	15,300	14,000	13,600
Gender													
Male	7,800	7,600	7,100	7,100	7,600	7,200	7,000	6,800	6,700	8,000	7,200	6,500	6,500
Female	7,900	7,600	7,400	7,800	7,900	7,400	7,100	7,200	7,200	8,200	7,500	6,800	6,600
College Plans													
None or under 4 years	1,300	1,200	1,100	1,200	1,100	980	900	1,000	1,000	1,200	1,300	1,400	1,500
Complete 4 years	14,400	14,000	13,500	13,800	14,500	13,700	13,300	13,000	12,900	15,100	13,300	11,800	11,400
Region													
Northeast	2,400	2,600	2,500	2,500	2,900	2,800	2,500	2,400	2,200	2,800	2,600	2,500	2,400
Midwest	3,600	3,400	3,400	3,700	3,400	3,200	3,400	3,200	3,000	3,700	3,200	3,100	2,800
South	6,400	5,600	5,700	5,600	6,200	5,800	5,400	5,600	5,900	6,500	6,000	5,100	5,100
West	3,700	4,100	3,400	3,500	3,500	3,300	3,300	3,400	3,300	3,900	3,500	3,300	3,300
Population Density													
Large MSA	5,000	5,100	4,500	4,600	5,400	5,200	4,800	4,700	4,300	5,500	4,600	4,500	4,300
Other MSA	7,800	7,500	7,300	7,500	7,300	6,900	6,800	6,800	7,100	8,200	7,600	6,700	6,800
Non-MSA	3,300	3,100	3,200	3,200	3,300	3,000	3,000	3,100	3,000	3,200	3,100	2,700	2,500
Parental Education													
1.0-2.0 (Low)	1,400	1,300	1,200	1,400	1,300	1,300	1,400	1,300	1,400	1,600	1,600	1,400	1,200
2.5–3.0	3,100	2,800	2,700	2,800	2,700	2,500	2,400	2,400	2,500	2,800	2,600	2,400	2,100
3.5–4.0	3,700	3,500	3,300	3,400	3,500	3,000	2,900	3,100	2,900	3,300	3,100	2,700	2,500
4.5–5.0	3,900	4,100	3,900	3,800	4,100	3,900	3,900	3,600	3,500	4,300	3,600	3,400	3,500
5.5-6.0 (High)	2,300	2,300	2,100	2,200	2,700	2,600	2,400	2,300	2,200	2,700	2,400	2,100	2,600
Race/Ethnicity (2-year average) ^a													
White	18,300	17,300	16,400	16,000	16,700	16,300	14,800	13,100	12,700	13,800	13,700	12,200	11,900
African American	3,900	4,000	4,100	4,000	3,700	3,500	3,500	4,100	4,300	4,100	3,600	2,900	3,000
Hispanic	5,400	5,100	4,700	5,000	5,200	5,200	5,500	5,700	6,200	7,200	8,000	7,300	5,600

Notes. '—' indicates data not available. See appendix B for definition of variables in table.

Caution: The Ns in this table are based on the entire sample at each grade level. Some drug use questions are asked only in some of the questionnaire forms rather than in all, in which case these Ns need to be adjusted appropriately.

Look under Notes in each table to see if only a fraction of the sample was asked about that drug. If there is no such indication, the entire sample received the question.

^aNs for each racial subgroup represent the combination of the specified year and the previous year. Data have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE S2

Approximate Weighted Ns by Subgroups in Grade 10

	<u>1991</u>	1992	<u>1993</u>	1994	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	2001	2002	2003	2004	2005	2006
Total	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200
Gender																
Male	7,200	7,000	7,300	7,700	8,300	7,500	7,400	7,100	6,300	6,800	6,600	6,900	7,500	7,900	7,900	7,900
Female	7,400	7,400	7,800	7,900	8,400	7,800	7,800	7,700	7,000	7,200	7,100	7,100	8,000	8,300	8,000	8,000
College Plans																
None or under 4 years	2,600	2,400	2,500	2,700	2,500	2,300	2,200	2,200	1,900	1,900	1,900	2,000	2,100	1,900	1,800	1,800
Complete 4 years	11,900	12,000	12,400	12,800	14,200	13,000	13,000	12,500	11,500	12,100	11,900	12,100	13,400	14,300	14,100	14,100
Region																
Northeast	2,700	3,000	2,900	3,100	3,300	3,100	3,300	3,100	3,000	2,800	2,700	2,600	3,400	3,600	3,500	3,200
Midwest	3,700	3,800	4,800	4,700	4,400	3,900	3,900	3,600	3,100	3,700	4,100	3,700	4,000	4,600	4,500	4,300
South	4,900	5,000	4,900	5,200	6,100	5,600	5,500	5,200	4,700	5,000	5,000	5,100	4,900	4,900	5,000	5,300
West	3,500	3,000	2,700	2,800	3,200	3,000	2,800	3,100	2,800	2,800	2,200	2,900	3,500	3,300	3,200	3,400
Population Density																
Large MSA	3,400	3,700	3,500	4,100	4,700	4,300	4,300	4,300	3,700	4,000	3,900	4,300	4,900	5,000	4,900	5,100
Other MSA	7,400	7,300	7,600	7,500	8,200	7,500	7,300	7,000	6,700	6,700	6,700	6,800	7,800	7,800	7,600	7,900
Non-MSA	4,000	3,800	4,200	4,200	4,100	3,800	3,900	3,700	3,200	3,600	3,400	3,200	3,100	3,600	3,700	3,200
Parental Education																
1.0-2.0 (Low)	1,300	1,300	1,300	1,300	1,200	1,100	1,300	1,300	1,100	1,200	1,200	1,300	1,200	1,300	1,100	1,100
2.5–3.0	3,900	3,900	4,100	4,100	4,100	3,600	3,700	3,700	3,200	3,200	3,200	3,300	3,500	3,400	3,200	3,200
3.5–4.0	3,900	3,900	4,100	4,300	4,600	4,300	4,100	4,000	3,600	3,700	3,700	3,700	4,200	4,200	4,100	4,300
4.5–5.0	3,500	3,400	3,500	3,700	4,000	3,900	3,700	3,500	3,300	3,500	3,400	3,500	3,900	4,300	4,400	4,500
5.5-6.0 (High)	1,800	1,700	1,700	1,800	2,300	1,900	1,900	1,800	1,700	1,900	1,800	1,700	2,100	2,400	2,400	2,300
Race/Ethnicity (2-year average) ^a																
White	_	19,600	20,700	22,000	22,900	22,400	20,900	19,800	18,400	18,200	18,600	18,000	18,500	19,900	20,400	21,100
African American	_	3,900	3,600	3,300	3,300	3,100	3,200	3,600	3,600	3,100	2,800	3,400	4,600	4,600	4,300	3,900
Hispanic	_	2,600	2,700	2,800	2,900	3,000	3,200	3,500	3,200	3,100	3,400	3,600	3,600	3,500	3,500	3,300

TABLE S2 (cont.)

Approximate Weighted Ns by Subgroups in Grade 10

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	15,600	14,700	13,500	14,300	14,000
Gender													
Male	7,800	7,000	7,600	7,200	7,200	7,200	6,100	6,200	7,600	7,100	6,500	6,800	6,600
Female	7,900	7,700	8,000	7,700	7,400	7,500	6,500	6,400	7,600	7,200	6,600	7,000	7,100
College Plans													
None or under 4 years	1,800	1,600	1,500	1,600	1,500	1,300	1,300	1,200	1,400	1,400	1,400	1,800	2,000
Complete 4 years	14,000	13,200	14,100	13,400	13,200	13,400	11,400	11,500	13,900	12,900	11,700	12,000	11,600
Region													
Northeast	3,200	2,800	3,400	3,000	2,600	2,900	2,400	2,500	3,100	2,800	2,300	2,600	2,300
Midwest	3,900	3,600	3,700	3,700	3,800	3,800	3,200	3,000	3,600	3,200	3,100	3,300	3,200
South	5,100	4,800	5,200	5,200	5,100	4,900	4,100	4,400	5,500	5,100	4,800	5,200	5,300
West	3,900	3,900	3,600	3,300	3,400	3,400	3,200	3,100	3,400	3,600	3,300	3,100	3,200
Population Density													
Large MSA	5,200	4,700	5,200	5,200	4,900	4,700	3,800	4,500	5,100	4,800	4,200	4,600	4,400
Other MSA	7,600	7,300	7,300	6,600	6,600	7,100	6,400	6,000	7,600	7,300	6,600	6,800	7,100
Non-MSA	3,300	3,100	3,400	3,400	3,400	3,200	2,700	2,500	2,900	2,600	2,700	2,900	2,500
Parental Education													
1.0–2.0 (Low)	1,200	1,300	1,300	1,400	1,200	1,100	1,100	1,100	1,300	1,400	1,300	1,500	1,400
2.5–3.0	3,300	3,000	3,000	3,000	3,000	2,600	2,400	2,300	2,400	2,400	2,300	2,500	2,500
3.5–4.0	4,400	3,800	4,000	3,800	3,900	3,800	3,100	3,100	3,600	3,400	3,000	3,200	3,200
4.5–5.0	4,300	4,000	4,300	3,900	3,800	4,100	3,500	3,600	4,300	3,800	3,400	3,500	3,600
5.5-6.0 (High)	2,100	2,000	2,400	2,200	2,000	2,500	2,000	2,100	2,800	2,500	3,000	2,200	2,200
Race/Ethnicity (2-year average) ^a													
White	20,800	18,300	17,900	18,400	17,600	17,600	16,000	13,900	15,700	16,000	13,500	13,100	13,200
African American	3,400	3,600	3,600	3,400	3,200	3,100	2,900	2,900	3,000	3,300	3,700	3,800	3,700
Hispanic	3,800	4,500	4,500	4,600	4,500	4,100	4,100	4,300	4,400	5,100	5,300	5,400	5,700

Notes. '—' indicates data not available. See appendix B for definition of variables in table.

Caution: The Ns in this table are based on the entire sample at each grade level. Some drug use questions are asked only in some of the questionnaire forms rather than in all, in which case these N s need to be adjusted appropriately.

Look under Notes in each table to see if only a fraction of the sample was asked about that drug. If there is no such indication, the entire sample received the question.

^aNs for each racial subgroup represent the combination of the specified year and the previous year. Data have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE S3
Approximate Weighted Ns by Subgroups in Grade 12

	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>
Total	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200
Gender																
Male	4,300	6,900	7,100	8,500	7,500	7,500	8,400	8,500	7,800	7,600	7,600	7,100	7,700	7,700	8,000	7,700
Female	5,200	7,000	7,600	9,000	8,000	7,800	8,600	8,600	8,000	7,800	8,000	7,700	8,200	8,200	8,300	7,100
College Plans																
None or under 4 years	_	6,500	6,700	8,100	6,800	6,300	6,700	7,200	6,300	5,900	5,600	5,100	5,000	4,700	4,800	4,200
Complete 4 years	_	6,800	7,200	8,600	8,000	8,500	9,700	9,200	8,800	8,900	9,300	9,100	10,300	10,600	11,000	10,100
Region																
Northeast	2,200	3,400	3,700	4,400	3,800	3,600	4,100	4,600	3,900	3,200	3,700	3,600	3,500	3,200	3,200	3,300
Midwest	2,900	4,500	4,600	5,200	4,800	4,700	5,300	5,200	4,600	4,500	4,400	4,300	4,400	4,300	4,500	4,200
South	3,000	4,300	4,600	6,000	4,800	4,800	5,300	5,300	5,200	5,300	4,900	4,700	5,200	5,600	6,100	5,000
West	1,400	2,200	2,200	2,500	2,600	2,700	2,800	2,600	2,600	2,900	3,000	2,600	3,200	3,200	2,900	2,700
Population Density																
Large MSA	2,100	3,700	4,000	4,600	4,000	3,900	4,500	4,800	4,200	4,100	4,200	3,700	4,200	4,400	4,000	3,800
Other MSA	4,000	5,700	6,200	8,000	6,800	6,700	7,100	7,300	6,800	6,900	6,900	7,000	8,000	7,700	8,800	7,700
Non-MSA	3,400	5,000	4,900	5,500	5,200	5,200	5,900	5,600	5,300	4,900	4,900	4,500	4,100	4,200	3,900	3,700
Parental Education																
1.0-2.0 (Low)	1,700	2,200	2,600	3,100	2,500	2,300	2,400	2,700	2,200	1,900	1,800	1,800	1,700	1,600	1,700	1,600
2.5–3.0	3,000	4,300	5,400	6,200	5,600	5,300	5,800	5,900	5,500	5,100	5,100	4,600	4,500	4,500	4,600	4,300
3.5–4.0	1,600	2,500	3,200	4,000	3,600	3,600	4,200	4,200	3,900	4,000	4,000	3,800	4,300	4,400	4,500	4,100
4.5–5.0	1,100	1,600	2,200	2,800	2,600	2,700	3,100	2,900	2,800	2,900	3,000	2,900	3,400	3,500	3,500	3,100
5.5-6.0 (High)	440	710	1,100	1,200	1,200	1,300	1,500	1,300	1,200	1,400	1,500	1,500	1,800	1,900	1,700	1,600
Race/Ethnicity (2-year average) ^a																
White	_	_	23,400	26,500	27,500	25,600	26,300	27,300	26,200	24,700	24,200	23,600	23,800	24,200	24,000	23,400
African American	_	_	3,300	3,700	3,500	3,500	4,000	4,000	3,900	4,000	4,000	3,500	3,200	3,600	3,900	3,500
Hispanic	_	_	890	1,000	940	740	930	1,300	1,300	1,200	1,200	1,500	1,900	2,100	2,400	2,500

TABLE S3 (cont.)

Approximate Weighted Ns by Subgroups in Grade 12

	<u>1991</u>	1992	1993	<u>1994</u>	<u>1995</u>	<u>1996</u>	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Total	15,000	15,800	16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200
Gender																
Male	7,400	7,400	7,500	6,900	7,200	6,700	7,100	7,100	6,300	5,800	5,800	5,800	6,600	6,800	6,800	6,600
Female	7,200	7,900	8,200	8,000	7,800	7,100	7,700	7,500	6,700	6,400	6,500	6,600	7,400	7,200	7,300	7,100
College Plans																
None or under 4 years	4,000	3,700	3,700	3,400	3,300	2,600	3,200	3,100	2,800	2,600	2,500	2,400	2,800	2,800	2,600	2,500
Complete 4 years	10,300	11,200	11,600	11,100	11,200	10,800	11,000	11,100	10,200	9,300	9,600	9,700	11,100	11,000	11,300	11,000
Region																
Northeast	2,800	2,800	2,700	2,700	2,800	3,000	3,300	2,800	2,500	2,500	2,400	2,500	3,100	3,100	2,900	2,600
Midwest	4,000	4,400	4,600	4,000	4,300	3,800	4,100	3,800	3,600	3,100	3,700	3,300	3,600	3,800	3,600	3,500
South	5,100	5,600	5,800	5,700	5,400	5,100	5,300	5,700	4,900	4,500	4,100	4,300	4,900	5,000	5,200	5,200
West	3,100	3,000	3,200	3,000	2,900	2,400	2,700	2,900	2,600	2,700	2,600	2,800	3,000	2,700	3,000	2,900
Population Density																
Large MSA	3,600	3,600	3,700	4,300	4,400	3,400	4,100	4,300	3,800	3,800	3,800	4,000	4,600	4,200	4,300	4,700
Other MSA	7,200	8,200	7,800	7,100	7,000	7,000	7,500	7,500	6,200	5,800	5,800	5,900	6,500	6,800	7,000	6,200
Non-MSA	4,200	4,000	4,800	4,000	4,000	3,900	3,800	3,400	3,600	3,200	3,200	3,000	3,500	3,600	3,400	3,300
Parental Education																
1.0-2.0 (Low)	1,500	1,400	1,600	1,400	1,200	1,100	1,300	1,200	960	860	1,000	980	1,200	1,000	1,100	1,100
2.5–3.0	4,100	4,100	4,300	3,700	3,700	3,300	3,600	3,700	3,200	3,000	2,900	2,800	3,400	3,400	3,200	3,100
3.5–4.0	4,200	4,600	4,500	4,300	4,400	3,800	4,100	4,300	3,900	3,600	3,600	3,800	4,200	4,000	3,900	4,000
4.5–5.0	3,100	3,400	3,600	3,500	3,700	3,500	3,500	3,300	3,200	3,100	3,200	3,100	3,400	3,600	3,600	3,600
5.5-6.0 (High)	1,500	1,700	1,700	1,800	1,800	2,100	2,100	2,000	1,800	1,600	1,600	1,500	1,800	2,000	2,100	1,900
Race/Ethnicity (2-year average) ^a																
White	21,900	21,500	22,000	21,800	21,600	20,700	19,800	20,200	19,500	17,700	16,200	16,300	17,800	19,600	19,600	18,600
African American	3,200	3,900	4,200	3,600	3,300	3,200	3,600	3,700	3,400	3,300	3,100	2,900	3,000	3,200	3,000	3,000
Hispanic	2,400	2,600	2,900	3,100	2,700	2,600	2,800	3,000	2,500	2,200	2,600	3,100	3,100	2,800	2,900	3,500

TABLE S3 (cont.)

Approximate Weighted Ns by Subgroups in Grade 12

	2007	2008	2009	<u>2010</u>	<u>2011</u>	2012	2013	2014	2015	<u>2016</u>	2017	2018	2019
Total	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	12,600	13,300	12,900
Gender:													
Male	6,500	6,400	6,300	6,700	6,800	6,600	5,900	5,700	5,700	5,400	5,600	5,800	5,900
Female	7,400	6,900	6,700	7,100	6,700	6,600	6,100	6,100	6,300	5,600	6,100	6,400	6,300
College Plans													
None or under 4 years	2,400	2,300	2,100	2,100	2,100	2,100	2,200	2,000	1,900	1,900	2,000	2,300	2,500
Complete 4 years	11,300	10,800	10,800	11,300	11,200	10,900	9,700	9,600	10,200	9,100	9,700	9,700	9,400
Region													
Northeast	2,700	2,400	2,600	2,700	2,400	2,300	2,200	2,400	2,200	1,900	2,000	2,100	2,300
Midwest	3,200	3,500	3,500	3,200	3,400	3,600	3,100	2,500	2,700	2,500	2,800	3,000	3,000
South	5,500	5,000	4,800	5,400	5,100	4,400	4,300	4,700	5,100	4,700	4,800	5,100	5,400
West	3,100	3,100	2,800	3,100	3,200	3,400	3,000	2,800	2,900	2,700	3,000	3,100	2,200
Population Density													
Large MSA	4,700	3,700	3,900	4,200	4,300	4,300	3,800	3,500	4,100	3,700	4,300	4,600	4,200
Other MSA	6,600	7,100	6,900	7,300	6,900	6,700	6,200	6,300	6,300	5,700	5,700	6,000	6,200
Non-MSA	3,200	3,200	2,900	2,900	2,900	2,700	2,600	2,600	2,500	2,400	2,600	2,600	2,500
Parental Education													
1.0-2.0 (Low)	1,100	1,200	1,400	1,400	1,200	1,200	1,200	1,200	1,300	1,200	1,400	1,600	1,500
2.5–3.0	3,200	3,000	2,900	3,000	2,800	2,800	2,500	2,400	2,500	2,300	2,500	2,600	2,500
3.5–4.0	4,200	3,900	3,700	4,000	3,900	3,700	3,500	3,400	3,200	3,000	3,200	3,200	3,200
4.5–5.0	3,600	3,500	3,300	3,500	3,600	3,600	3,300	3,200	3,400	3,000	2,900	3,100	3,100
5.5–6.0 (High)	1,800	1,700	1,600	1,600	1,900	1,800	1,500	1,300	1,600	1,400	1,600	1,600	1,700
Race/Ethnicity (2-year average) ^a													
White	18,200	17,300	16,300	16,400	16,500	16,300	15,600	14,100	13,400	12,800	12,200	12,500	13,000
African American	3,200	3,500	3,100	3,000	3,400	3,200	2,700	2,800	3,300	3,400	3,200	2,800	2,500
Hispanic	3,700	4,000	4,400	4,500	4,000	3,700	3,900	4,000	4,200	4,000	4,500	5,700	5,700

Notes. '—' indicates data not available. See appendix B for definition of variables in table.

Caution: The Ns in this table are based on the entire sample at each grade level. Some drug use questions are asked only in some of the questionnaire forms rather than in all, in which case these Ns need to be adjusted appropriately.

Look under Notes in each table to see if only a fraction of the sample was asked about that drug. If there is no such indication, the entire sample received the question.

^aNs for each racial subgroup represent the combination of the specified year and the previous year. Data have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.